Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 611-1322-0100

Rabbit IgG (H&L) Antibody Peroxidase Conjugated Pre-Adsorbed

Overview

Description:	Goat Anti-Rabbit IgG (H&L) Antibody Peroxidase Conjugated (Min X Human Serum Proteins) - 611-1322-0100
Item No.:	611-1322-0100
Size:	100 µg
Applications:	ELISA, WB, IHC
Reactivity:	Rabbit
Host Species:	Goat

Product Details

Background:	Anti-Rabbit IgG (H&L) generated in goat detects rabbit Immunoglobulin G. Both the Heavy and Light chains of the antibody molecule are present. Representing approximately 75% of serum immunoglobulins, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. This Anti-Rabbit IgG is conjugated with Peroxidase.
Synonyms:	goat anti-Rabbit IgG Antibody peroxidase conjugated, Gt-a-Rabbit peroxidase conjugated IgG, Rabbit peroxidase conjugated Antibody in Goat, Rabbit Secondary peroxidase conjugated Antibody, HRP secondary, peroxidase secondary
Host Species:	Goat
Specificity:	IgG (H&L)
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	0.48

Target Details

Reactivity:	Rabbit
Immunogen:	Rabbit IgG whole molecule
Purity/Specificity:	RABBIT IgG (H&L) Antibody Peroxidase Conjugated Pre-Adsorbed was prepared from monospecific antiserum by immunoaffinity chromatography using Rabbit IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum, Rabbit IgG and Rabbit Serum. No reaction was observed against Human Serum Proteins. Specificity was confirmed by ELISA at less than 1% cross-reactivity against human immunoglobulins.
Relevant Links:	• 611-1322 SDS

Application Details

Tested Applications:	ELISA, WB
Suggested Applications:	IHC (Based on references)
Application Note:	Goat Anti-Rabbit IgG peroxidase conjugated antibody has been tested by ELISA and western blot and is suitable for immunoblotting (western or dot blot), ELISA, immunoperoxidase electron microscopy and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays requiring lot-to-lot consistency.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000-1:100,000
IHC:	1:500-1:5,000
WB:	1:5,000-1:40,000

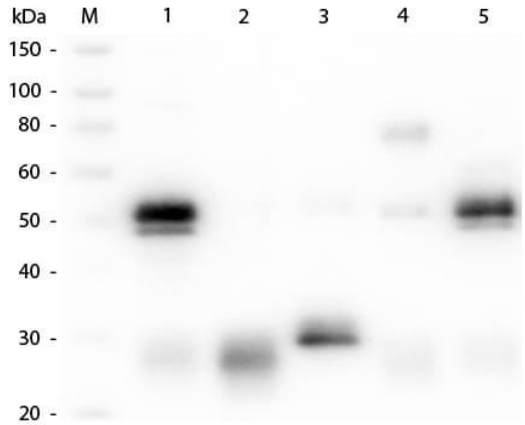
Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	100 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

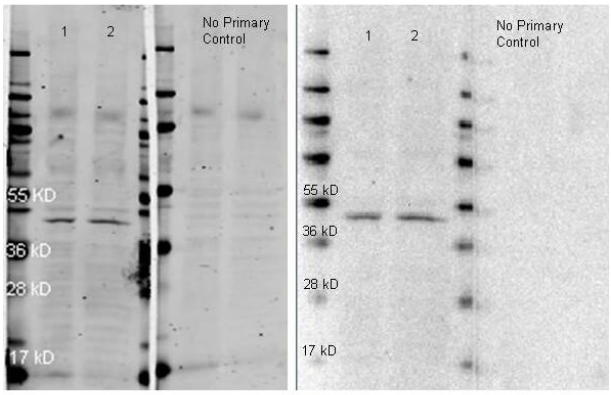
Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot of Unconjugated Anti-Rabbit IgG (H&L) (GOAT) Antibody (Min X Bv, Ch, Gt, GP, Ham, Hs, Hu, Ms, Rt & Sh Serum Proteins) (p/n 611-101-122). Lane M: 3 µl Molecular Ladder. Lane 1: Rabbit IgG whole molecule (p/n 011-0102). Lane 2: Rabbit IgG F(ab) Fragment (p/n 011-0105). Lane 3: Rabbit IgG F(c) Fragment (p/n 010-0103). Lane 4: Rabbit IgM Whole Molecule (p/n 011-0107). Lane 5: Normal Rabbit Serum (p/n B309). All samples were reduced. Load: 50 ng per lane. Block: MB-070 for 30 min at RT. Primary Antibody: Anti-Rabbit IgG (H&L) (GOAT) Antibody (Min X Bv, Ch, Gt, GP, Ham, Hs, Hu, Ms, Rt & Sh Serum Proteins) (p/n 611-101-122) 1:1,000 for 60 min at RT. Secondary antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody (p/n CUST10) 1:40,000 in MB-070 for 30 min at RT. Predicted/Observed Size: 25 and 50 kDa for Rabbit IgG and Serum, 25 kDa for F(c) and F(ab), 70 and 23 kDa for IgM. Rabbit F(c) migrates slightly higher.



Western Blot
Western Blot of Goat anti-Rabbit IgG Peroxidase Conjugated Antibody. Lane 1: HeLa Whole Cell Lysate. Lane 2: NIH 3T3 Whole Cell Lysate. Load: 10 µg per lane. Primary antibody: Beta Actin antibody at 1:2,000 for overnight at 4°C. Secondary antibody (2 Blots on Left): Atto 647N goat secondary antibody at 1:10,000 for 60 min at RT. Secondary Antibody (2 Blots on Right): Peroxidase goat secondary antibody at 1:10,000 for 60 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 50 kDa, 50 kDa for Beta Actin. Other band(s): none.

References

- Bielmeier CB et al. VEGFR2 deletion increases susceptibility to photoreceptor degeneration through glial-neuronal interaction. *Cell Death Dis.* (2026)
- Perez-Moreno E et al. Endogenous Galectin-8 protects against Th17 infiltration and fibrosis following acute kidney injury. *Mol Med.* (2025)
- Murugan S et al. Pak1 dysregulates pyruvate metabolism in PDAC cells by exerting a phosphorylation-mediated regulatory effect on PDHA1. *J Biol Chem.* (2025)
- Knapp CP et al. Sex-dependent perturbations in risky choice behavior and prefrontal tyrosine hydroxylase levels induced by repetitive mild traumatic brain injury. *Behav Brain Res.* (2025)
- Fukuoka S et al. Mechanoreceptor Piezo1 channel-mediated interleukin expression in conjunctival epithelial cells: Linking mechanical stress to ocular inflammation. *Ocul Surf.* (2025)
- Sang Y et al. PI4KIIIβ-Mediated Phosphoinositides Metabolism Regulates Function of the VTA Dopaminergic Neurons and Depression-Like Behavior. *J Neurosci.* (2024)
- Guizar P et al. An HIV-1 CRISPR-Cas9 membrane trafficking screen reveals a role for PICALM intersecting endolysosomes and immunity. *iScience.* (2024)
- Park SH et al. Ellagic acid, a functional food component, ameliorates functionality of reverse cholesterol transport in murine model of atherosclerosis. *Nutr Res Pract.* (2024)
- Liu B et al. Skeletal muscle TET3 promotes insulin resistance through destabilisation of PGC-1α. *Diabetologia.* (2024)
- Lv H et al. A small-molecule degrader of TET3 as treatment for anorexia nervosa in an animal model. *Proc Natl Acad Sci U S A.* (2023)
- Kharel P et al. NAT8L mRNA oxidation is linked to neurodegeneration in multiple sclerosis. *Cell Chem Biol.* (2023)
- Song J et al. Let-7 suppresses liver fibrosis by inhibiting hepatocyte apoptosis and TGF-β production. *Mol Metab.* (2023)

- Ramirez E et al. Discovery of 4-aminoindole carboxamide derivatives to curtail alpha-synuclein and tau isoform 2N4R oligomer formation. *Results Chem.* (2023)
- Hormazabal J et al. Chaperone mediated autophagy contributes to the newly synthesized histones H3 and H4 quality control. *Nucleic Acids Res.* (2022)
- Glanz A et al. Autophagic degradation of IRF3 induced by the small-molecule auranofin inhibits its transcriptional and proapoptotic activities. *J Biol Chem.* (2021)
- Guo Y et al. p53 isoforms differentially impact on the POLι dependent DNA damage tolerance pathway. *Cell Death Dis.* (2021)
- Shrestha RL et al. CENP-A overexpression promotes aneuploidy with karyotypic heterogeneity. *J Cell Biol.* (2021)
- Wang TS et al. Endolysosomal Targeting of Mitochondria Is Integral to BAX-Mediated Mitochondrial Permeabilization during Apoptosis Signaling. *Dev Cell.* (2020)
- Monette A. et al. Pan-retroviral Nucleocapsid-Mediated Phase Separation Regulates Genomic RNA Positioning and Trafficking. *Cell Rep.* (2020)
- Tomaszewska E, Dobrowolski P, Świątkiewicz M, Donaldson J, Puzio I, Muszyński S. Is Dietary 2-Oxoglutaric Acid Effective in Accelerating Bone Growth and Development in Experimentally-Induced Intrauterine Growth Retarded Gilts? *Animals (Basel).* (2020)
- Agrawal et al. Molecular features of steroid-binding antidins and their use for assaying serum progesterone. *PLOS One* (2019)
- Wang XD et al. Spy1, a unique cell cycle regulator, alters viability in ALS motor neurons and cell lines in response to mutant SOD1-induced DNA damage. *DNA Repair (Amst).* (2019)
- Fischer K et al. Toxoplasma gondii infection induces the formation of host's nuclear granules containing poly(A)-binding proteins. *Can J Microbiol.* (2018)
- Shrestha RL et al. Mislocalization of centromeric histone H3 variant CENP-A contributes to chromosomal instability (CIN) in human cells. *Oncotarget.* (2017)
- Jeong YK et al. Docosahexaenoic acid inhibits cerulein-induced acute pancreatitis in rats. *Nutrients.* (2017)
- Jong WS et al. Application of an E. coli signal sequence as a versatile inclusion body tag. *Microbial Cell Factories* (2017)
- Crater AK et al. Utilization of inherent miRNAs in functional analyses of Toxoplasma gondii genes. *J Microbiol Methods.* (2015)
- Lin R et al. Electroacupuncture ameliorates learning and memory in rats with cerebral ischemia-reperfusion injury by inhibiting oxidative stress and promoting p-CREB expression in the hippocampus. *Mol Med Rep.* (2015)
- Cherry AA et al. Characterization of a homolog of DEAD-box RNA helicases in Toxoplasma gondii as a marker of cytoplasmic mRNP stress granules. *Gene.* (2014)
- Horn P et al. Circulating microparticles carry a functional endothelial nitric oxide synthase that is decreased in patients with endothelial dysfunction. *J Am Heart Assoc.* (2012)
- Pop V et al. Aβ aggregation profiles and shifts in APP processing favor amyloidogenesis in canines. *Neurobiology of Aging* (2012)

- Millonig G et al. Sustained submicromolar H2O2 levels induce hepcidin via signal transducer and activator of transcription 3 (STAT3). *J Biol Chem.* (2012)
- Niedowicz DM et al. APP(DeltaNL695) expression in murine tissue downregulates CNBP expression. *Neuroscience Letters* (2010)
- Pop V et al. Synergistic effects of long-term antioxidant diet and behavioral enrichment on beta-amyloid load and non-amyloidogenic processing in aged canines. *The Journal of Neuroscience : the Official Journal of the Society for Neuroscience* (2010)
- Grando SA et al. Apoptolysis: a novel mechanism of skin blistering in pemphigus vulgaris linking the apoptotic pathways to basal cell shrinkage and suprabasal acantholysis. *Exp Dermatol.* (2009)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.