

Datasheet for 112-4102

Rat IgG (H&L) Antibody**Overview**

Description:	Rabbit Anti-Rat IgG (H&L) Antibody - 112-4102
Item No.:	112-4102
Size:	2 mL
Applications:	IHC
Reactivity:	Rat
Host Species:	Rabbit

Product Details

Background:	Anti-Rat IgG (H&L) generated in rabbit detects rat 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.
Synonyms:	rabbit anti-Rat IgG Antibody, rabbit anti Rat IgG
Host Species:	Rabbit
Specificity:	IgG (H&L)
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Reactivity:	Rat
Immunogen:	Rat IgG whole molecule
Purity/Specificity:	This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against Rat IgG and Rat Serum.

Application Details

Suggested Applications:	IHC (Based on references)
Application Note:	Anti-Rat IgG antibody is suitable for use in ELISA, immunohistochemistry, and western blot. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000 - 1:100,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

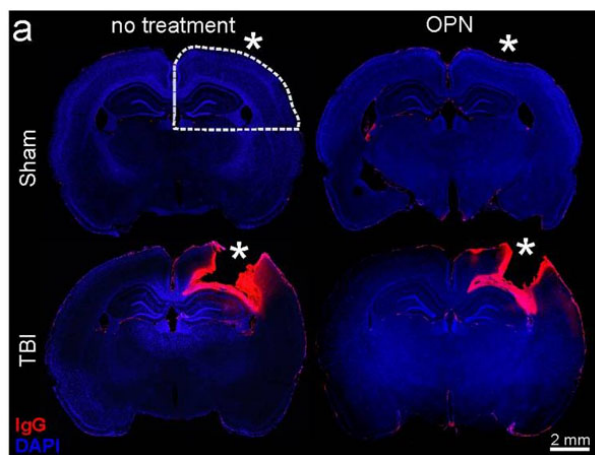
Formulation

Physical State:	Lyophilized
Concentration:	80 mg/mL by Refractometry
Buffer:	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	None
Stabilizer:	None
Reconstitution Volume:	2.0 mL
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



Immunohistochemistry

OPN did not ameliorate BBB disruption. (a) Representative images of immunoglobulin G (IgG) staining demonstrating extravasation at the injury site on TBI animals but absent in shams. Fig 5. PMID: 30892744.

References

- Jullienne A et al. Acute intranasal osteopontin treatment in male rats following TBI increases the number of activated microglia but does not alter lesion characteristics. *J Neurosci Res.* (2020)

Disclaimer

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