

Datasheet for 600-401-BN0

GPRASP1 Antibody

Overview

Description:	Anti-GPRASP1 (RABBIT) Antibody - 600-401-BN0
Item No.:	600-401-BN0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	The G protein-coupled receptor associated sorting protein 1 (GPRASP1) is a member of the GPRASP family and is thought to modulate lysosomal sorting and functional down-regulation of a variety of G-protein coupled receptors (1,2). GPRASP1 interacts with receptors such as the D2 dopamine receptor (DRD2), delta opioid receptor (OPRD1), beta-2 adrenergic receptor (ADRB2), D4 dopamine receptor (DRD4) and cannabinoid 1 receptor (CNR1) and targets these proteins for degradation in lysosomes (2). Recently, it has been shown that increased GPRASP1 levels may act as a potential biomarker for breast cancer (3).
Synonyms:	G-protein coupled receptor-associated sorting protein 1, GASP, GASP-1, GASP1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	GPRASP1
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-GPRASP1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid peptide near the N-terminus of human GPRASP1.

Purity/Specificity: Anti-GPRASP1 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. GPRASP1 antibody is human and mouse reactive. This antibody is predicted to not cross-react with GPRASP2.

Relevant Links:

- [UniProtKB - Q5JY77](#)
- [GeneID - 9737](#)
- [NCBI - NP_001171656](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-GPRASP1 Antibody has been tested for use in ELISA, immunohistochemistry, immunofluorescence, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 157 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000 - 1:20,000

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

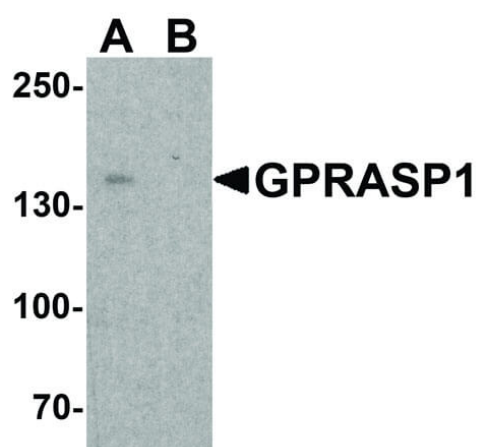
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. 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 Rabbit anti-GPRASP1 antibody. Lane A: A-20 cell lysate in the absence of blocking peptide. Lane B: A-20 cell lysate in the presence of blocking peptide. Primary antibody: GPRASP1 antibody at 1 µg/mL overnight at 4°C. Secondary antibody: Goat anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 153 kDa, 150 kDa for GPRASP1.

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.