BOSTER BIOLOGICAL TECHNOLOGY
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Anti-GPRASP1 Antibody

Catalog Number: A08358

About GPRASP1

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).

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Overview

Product Name	Anti-GPRASP1 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-GPRASP1 Antibody (Catalog # A08358). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	GPRASP1 antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	GPRASP1 antibody can be stored at 4°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q5JY77

Technical Details

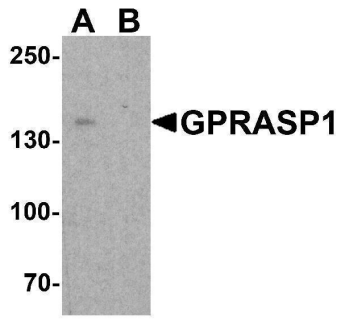
Immunogen	GPRASP1 antibody was raised against a 15 amino acid peptide near the amino terminus of human GPRASP1. The immunogen is located within amino acids 260 - 310 of GPRASP1.
Predicted Reactive Species	Chicken
Cross Reactivity	GPRASP1 antibody is human and mouse reactive. This antibody is predicted to not cross-react with GPRASP2.

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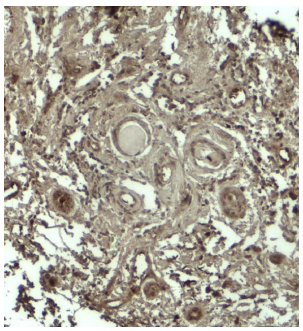
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	GPRASP1 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	GPRASP1 antibody can be used for detection of GPRASP1 by Western blot at 1 - 2 ug/ml. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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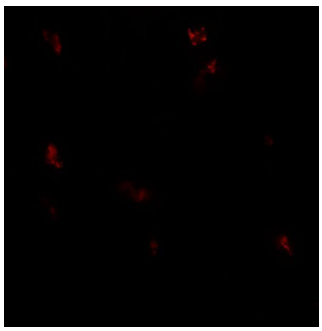
Anti-GPRASP1 Antibody (A08358) Images



Western blot analysis of GPRASP1 in A-20 cell lysate with GPRASP1 antibody at 1 ug/ml in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of GPRASP1 in human breast carcinoma tissue with GPRASP12 antibody at 5 ug/ml.



Immunofluorescence of GPRASP1 in human breast carcinoma tissue with GPRASP1 antibody at 20 ug/ml.

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