Human GPRASP2 Antibody

Monoclonal Mouse IgG_{2B} Clone # 698742

Catalog Number: MAB7078

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GRASP2 in direct ELISAs.
Source	Monoclonal Mouse IgG_{2B} Clone # 698742
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human GPRASP2 Gly47-Asp371 Accession # Q96D09
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

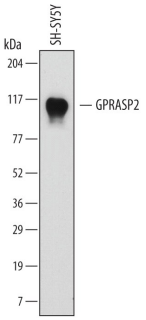
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below
Immunohistochemistry	8-25 µg/mL	See Below

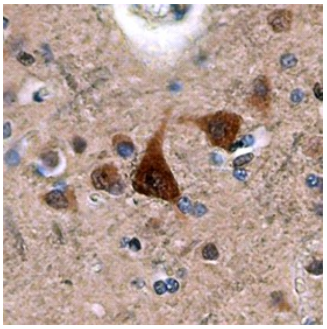
DATA

Western Blot



Detection of Human GPRASP2 by Western Blot. Western blot shows lysates of SH-SY5Y human neuroblastoma cell line. PVDF membrane was probed with 1 µg/mL of Mouse Anti-Human GPRASP2 Monoclonal Antibody (Catalog # MAB7078) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for GPRASP2 at approximately 94 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Immunohistochemistry



GPRASP2 in Human Brain. GPRASP2 was detected in immersion fixed paraffin-embedded sections of human brain (cortex) using Mouse Anti-Human GPRASP2 Monoclonal Antibody (Catalog # MAB7078) at 15 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm in neurons. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

GPRASP2 (G-protein coupled receptor-associated sorting protein 2), also called GASP-2, is a ~94 kDa cytosolic protein of the GPRASP family of receptor sorting proteins. Genes for this family are clustered on the X chromosome. Like GPRASP1, GPRASP2 binds the C-terminal cytoplasmic region of G-protein coupled receptors such as the muscarinic receptor M1 (CHRM1) and the calcitonin receptor (CALCR). It has also been shown to interact with the Huntingtin protein. Over the region used as an immunogen, GPRASP2 shares 68% and 72% with mouse and rat GPRASP2, respectively.

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