

GRASP Antibody

Catalog No: #21449



Package Size: #21449-1 50ul #21449-2 100ul #21449-4 25ul

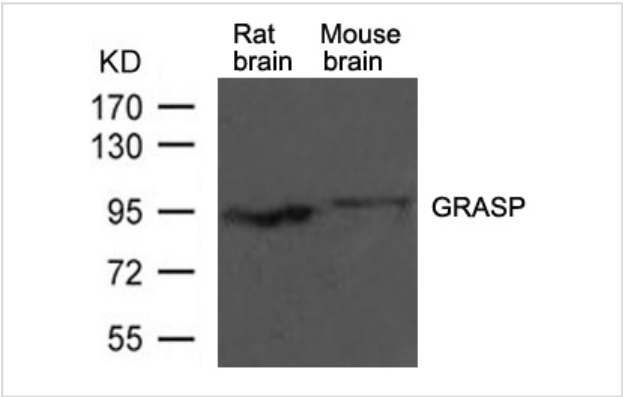
Overview

Product Name	GRASP Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	GRASP
Alternative Names	Gripap; Grasp; GRIP1-associated protein

Application Details

Predicted MW: 95kd
Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from rat brain and mouse brain tissue using GRASP Antibody #21449

Descriptions

Immunogen	Peptide sequence around aa. 814-818(Q-E-I-V-R) derived from Rat GRASP.
Specificity	The antibody detects endogenous level of total GRASP protein.
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: Q9JHZ4NCBI Protein: NP_064522.3

Related Information

GRASP (GRP1-associated scaffold protein, tamalin) is a 395 amino acid protein encoded by the human gene GRASP . GRASP is a scaffold protein that comprises multiple protein-interacting domains, including a 95 kDa postsynaptic density protein (PSD-95)/discs-large/ZO-1 (PDZ) domain, a leucine-zipper region and a carboxyl-terminal PDZ-binding motif. GRASP is involved with intracellular trafficking and contributes to the macromolecular organization of group 1 metabotropic glutamate receptors (mGluRs) at synapses. GRASP forms a heteromer composed of GRASP , PSCD2 and at least one mGluR-1. It also interacts with PSCD3, mGluR-2, mGluR-3 and mGluR-5. GRASP is highly expressed in brain and has lower levels of expression in lung, heart, embryo, kidney and ovary.

Kitano, J., Kimura, K., Yamazaki, Y., Soda, T., Shigemoto, R., Nakajima, Y. and Nakanishi, S. 2002. Tamalin, J. Neurosci. 22: 280-1289.

Hall, B.S., Gabernet-Castello, C., Voak, A., Goulding, D., Natesan, S.K. and Field, M.C. 2006. J. Biol. Chem. 281: 27600-27612.

Sugi, T., Oyama, T., Muto, T., Nakanishi, S., Morikawa, K. and Jingami, H. 2007. Crystal structures of autoinhibitory PDZ domain of Tamalin EMBO J.26: 2192-2205.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.