GRASP Antibody

Catalog No: #AB21449

Package Size: #AB21449-1 50ul #AB21449-2 100ul #AB21449-4 25ul

Orders: order@abscitech.com
Support: tech@abscitech.com

Description

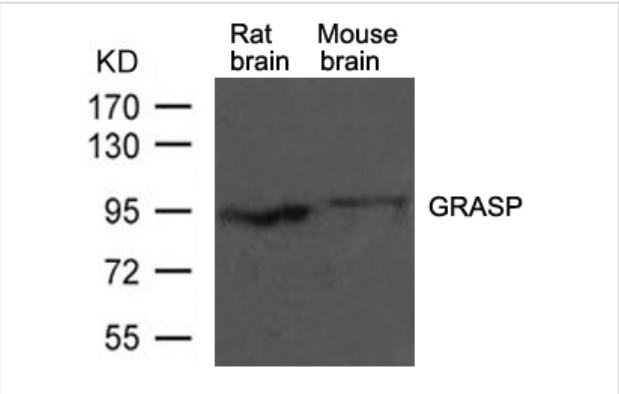
Product Name	GRASP Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total GRASP protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa. 814-818(Q-E-I-V-R) derived from Rat GRASP.
Target Name	GRASP
Other Names	Gripap; Grasp; GRIP1-associated protein
Accession No.	Swiss-Prot: Q9JHZ4NCBI Protein: NP_064522.3
Concentration	1.0mg/ml
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.

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 #AB21449

Background

GRASP (GRP1-associated scaffold protein, tamalin) is a 395 amino acid protein

encoded by the human gene GRASP . GRASP is a scaffold protein that com-prises 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.