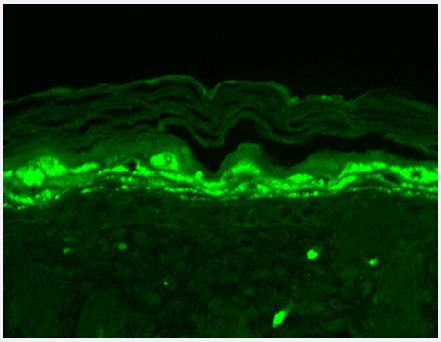
Shank1 monoclonal antibody, clone S22-21

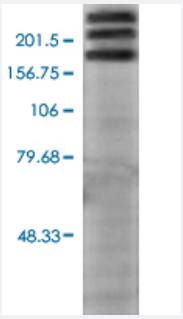
Catalog # MAB7892 Size 100 ug

Applications



Immunohistochemistry

Immunohistochemical staining of mouse backskin with Shank1 monoclonal antibody, clone S22-21 at 1:100. Fixation: Bouin's Fixative and paraffin-embedded. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50. Localization: Filaggrinlike staining (upper layer aggregations of staining).



Western Blot (Tissue lysate)

Western Blot analysis of rat brain membrane lysate.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant Shank1.
Immunogen	Recombinant protein corresponding to amino acids 469-691 of rat Shank1.
Host	Mouse
Reactivity	Human, Mouse, Rat
Specificity	Detects ~190-220 kDa (alternative splice variants). No cross-reactivity against Shank2 or Shank3.
Form	Liquid
Purification	Protein G purification

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Isotype	IgG1
Recommend Usage	Immunocytochemistry (1:100) Immunofluorescence (1:100) Immunohistochemistry (1:1000) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.09% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry

  Immunohistochemical staining of mouse backskin with Shank1 monoclonal antibody, clone S22-21 at 1:100. Fixation: Bouin's Fixative and paraffin-embedded. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50. Localization: Filaggrinlike staining (upper layer aggregations of staining).

- Immunofluorescence

- Immunocytochemistry

- Western Blot (Tissue lysate)

  Western Blot analysis of rat brain membrane lysate.

Gene Info — Shank1

Entrez GeneID	78957
Protein Accession#	Q9WV48
Gene Name	Shank1
Gene Alias	Shank1a, Spank1, Sstrip
Gene Description	SH3 and multiple ankyrin repeat domains 1
Gene Ontology	Hyperlink

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Other Designations	GKAP/SAPAP interacting protein|SAPAP-interacting protein synamon|SH3/ankyrin domain gene 1

Publication Reference

- Smaller dendritic spines, weaker synaptic transmission, but enhanced spatial learning in mice lacking Shank1.

  Hung AY, Futai K, Sala C, Valtschanoff JG, Ryu J, Woodworth MA, Kidd FL, Sung CC, Miyakawa T, Bear MF, Weinberg RJ, Sheng M.

  Journal of Neuroscience 2008 Feb; 28(7):1697.

  Application: IF, WB-Ti, Mouse, Mouse brain

- The Shank family of scaffold proteins.

  Sheng M, Kim E.

  Journal of Cell Science 2000 Jun; 113 (Pt 11):1851.

  Application: IHC, WB, Human, Human brains

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