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BASP1 Rabbit pAb

Catalog # AP96825

Product Information

Application	WB
Primary Accession	P80723
Other Accession	P80723
Reactivity	Rat, Human, Mouse
Predicted	Pig, Rabbit, Zebrafish
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22693
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human BASP1/Nap22
Epitope Specificity	3-100/227
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the BASP1 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Neuronal axonal membrane protein Nap-22, also designated neuronal tissue-enriched acidic protein or brain acid soluble protein (BASP1), is a Ca2+-dependent calmodulin-binding protein that is important for neuronal sprouting and plasticity. Nap-22 is abundant in brain nerve terminals and is also present in significant amounts in kidney, testis and lymphoid tissue. Nap-22 undergoes N-terminal myristoylation for membrane localization. It has been characterized as a major protein of neuronal rafts, which are known to preferentially bind membranes containing cholesterol. Nap-22 is a crucial protein active in neurite outgrowth and synaptic plasticity.

Additional Information

Gene ID	10409
Other Names	CAP-23; CAP23; NAP-22; NAP22; 2610024P12Rik; Ckap3; BASP1_HUMAN; BASP1; 22 kDa neuronal tissue-enriched acidic protein; Neuronal axonal membrane protein NAP-22; BASP1_MOUSE; brain abundant membrane attached signal protein 1; brain abundant, membrane attached signal protein 1
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	BASP1
Synonyms	NAP22
Cellular Location	Cell membrane; Lipid-anchor. Cell projection, growth cone. Note=Associated with the membranes of growth cones that form the tips of elongating axons
Tissue Location	Brain.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.