10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

WAC Rabbit pAb

Catalog # AP96846

Product Information

Application	WB
Primary Accession	Q9NRC6
Other Accession	Q9NRC6
Reactivity	Mouse
Predicted	Rat, Pig, Human, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	416750
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human WAC
Epitope Specificity	221-320/647
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 spectrin family. Contains 2 CH (calponin-homology) domains. Contains 1 PH domain. Contains 31 spectrin repeats.
Post-translational modifications	Phosphorylated on tyrosine residues.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Spectrin, an Actin binding protein that is a major component of the cytoskeletal superstructure of the erythrocyte plasma membrane, is essential in determining the properties of the membrane including its shape and deformability. Spectrins function as membrane organizers and stabilizers, composed of nonhomologous □and ∫ chains, which aggregate side-to-side in an antiparallel fashion to form dimers, tetramers, and higher polymers. The spectrin tetramers in erythrocytes act as barriers to lateral diffusion, but spectrin dimers seem to lack this function. Spectrin ∫ V is a non-erythrocytic member of the ∫-spectrin family. It is expressed in brain and pancreatic islets and localizes to the cytoplasm of the cytoskeleton and cell cortex. Spectrin ∫ V is a 2,564 amino acid protein with four isoforms due to alternative splicing events.

Additional Information

Gene ID	51332
Other Names	BSPECV; HUBSPECV; HUSPECV; SPTN5_HUMAN; SPTBN5; Beta-V spectrin; WW domain containing adaptor with coiled-coil; WW domain-containing adaptor with coiled coil
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	SPTBN5
Synonyms	BSPECV, HUBSPECV, HUSPECV
Cellular Location	Cytoplasm, cytoskeleton. Note=Detected prominently in the outer segments of photoreceptor rods and cones and in the basolateral membrane and cytosol of gastric epithelial cells
Tissue Location	Expressed at very low levels in many tissues, with strongest expression in cerebellum, spinal cord, stomach, pituitary gland, liver, pancreas, salivary gland, kidney, bladder, and heart

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