

SH3BP2 Rabbit pAb

Catalog # AP97407

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P78314
Other Accession	P78314
Reactivity	Rat, Human
Predicted	Pig, Mouse, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62244
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SH3BP2
Epitope Specificity	451-550/561
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 PH domain. Contains 1 SH2 domain.
Post-translational modifications	Phosphorylated. Phosphorylation at Tyr-448 may stimulate the activity of the LYN kinase (By similarity).
DISEASE	Defects in SH3BP2 are the cause of cherubism (CRBM) [MIM:118400]. CRBM is an autosomal dominant inherited syndrome characterized by excessive bone degradation of the upper and lower jaws, which often begins around three years of age. It is followed by development of fibrous tissue masses, which causes a characteristic facial swelling.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene has an N-terminal pleckstrin homology (PH) domain, an SH3-binding proline-rich region, and a C-terminal SH2 domain. The protein binds to the SH3 domains of several proteins including the ABL1 and SYK protein tyrosine kinases, and functions as a cytoplasmic adaptor protein to positively regulate transcriptional activity in T, natural killer (NK), and basophilic cells. Mutations in this gene result in cherubism. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]

Additional Information

Gene ID	6452
Other Names	3BP-2; 3BP2; CRBM; CRPM; RES4-23; 3BP2_HUMAN; SH3BP2; SH3 domain binding protein 2; Cherubism
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

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.
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Protein Information

Name	SH3BP2
Synonyms	3BP2
Function	Binds differentially to the SH3 domains of certain proteins of signal transduction pathways. Binds to phosphatidylinositols; linking the hemopoietic tyrosine kinase fes to the cytoplasmic membrane in a phosphorylation dependent mechanism.
Tissue Location	Expressed in a variety of tissues including lung, liver, skeletal muscle, kidney and pancreas

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