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Rabbit Anti-phospho-SH3BP2 (Ser427) antibody

SL19750R

Product Name:	phospho-SH3BP2 (Ser427)
Chinese Name:	磷酸化SH3结构域Binding protein2抗体
Alias:	SH3BP2 (phospho S427); p-SH3BP2 (phospho S427); 3BP-2; 3BP2; 3BP2_HUMAN; Abl SH3 binding protein 2; Cherubism; CRBM; CRPM; FLJ42079; FLJ54978; RES4-23; SH3 domain binding protein 2; SH3 domain-binding protein 2; Sh3bp2; TNFAIP3 interacting protein 2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	62kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human SH3BP2 around the phosphorylation site of Ser427:SF(p-S)FE
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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]

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 Specificity:
Expressed in a variety of tissues including lung, liver, skeletal muscle, kidney and pancreas.

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.

Similarity:
Contains 1 PH domain.
Contains 1 SH2 domain.

SWISS:
P78314

Gene ID:
6452

Database links:

Entrez Gene: 6452 Human

Omim: 602104 Human

SwissProt: P78314 Human

Unigene: 167679 Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
