



Rabbit Anti-SH3BP2 antibody

SL19749R

Product Name:	SH3BP2
Chinese Name:	SH3结构域Binding protein2抗体
Alias:	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,Mouse,Rat,Pig,Cow,Horse,
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 synthetic peptide derived from human SH3BP2:451-550/561
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 fcs 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.

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.

Similarity:

Contains 1 PH domain.
Contains 1 SH2 domain.

SWISS:

P78314

Gene ID:

6452

Database links:

[Entrez Gene: 6452](#) Human

[Entrez Gene: 24055](#) Mouse

[Entrez Gene: 305450](#) Rat

[Omim: 602104](#) Human

[SwissProt: P78314](#) Human

[SwissProt: Q06649](#) Mouse

[Unigene: 167679](#) Human

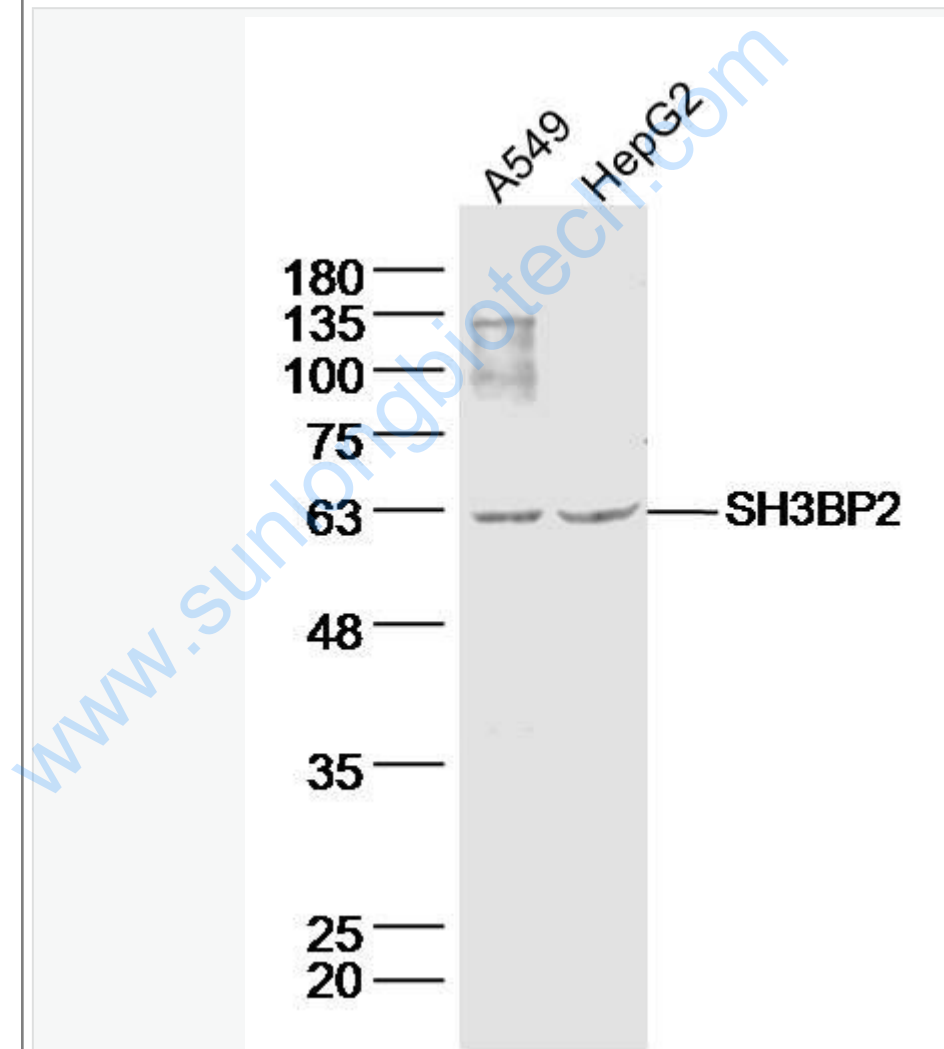
[Unigene: 5012](#) Mouse

[Unigene: 212791](#) Rat

Important Note:

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

Picture:



Sample:

A549 (human) Cell Lysate at 40 ug

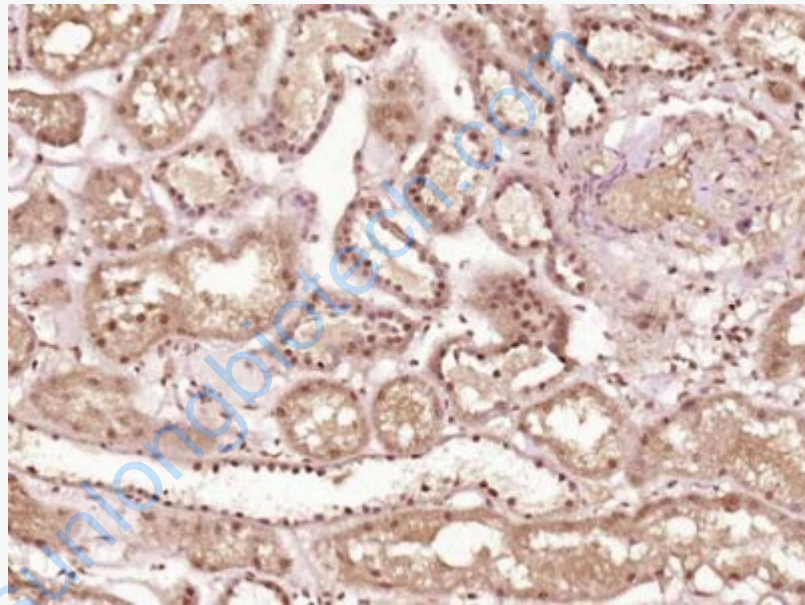
HepG2 (human) Cell Lysate at 40 ug

Primary: Anti-SH3BP2 (SL19749R) at 1/300 dilution

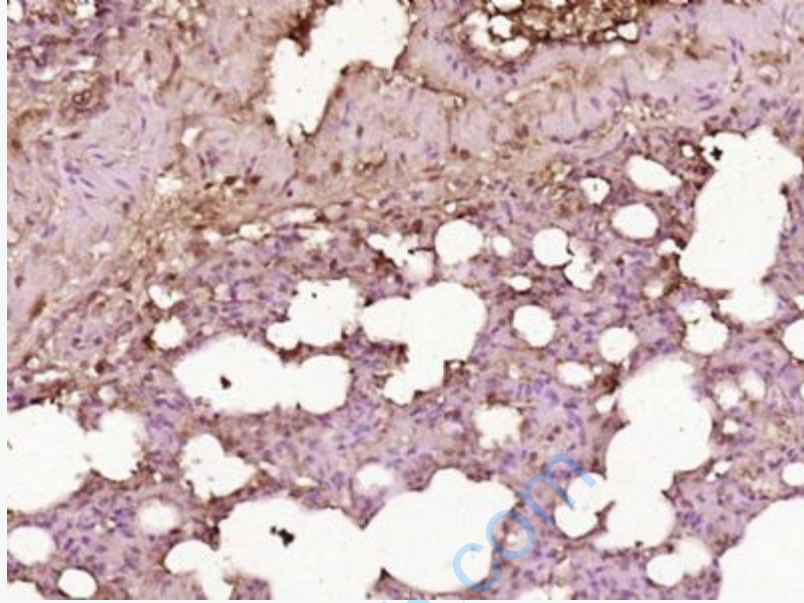
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 51 kD

Observed band size: 51 kD



Paraformaldehyde-fixed, paraffin embedded (Human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SH3BP2) Polyclonal Antibody, Unconjugated (SL19749R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SH3BP2) Polyclonal Antibody, Unconjugated (SL19749R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.