abcam

Product datasheet

Anti-SH3BP2 (phospho S427) antibody ab2176

1 Image

Overview

Product name Anti-SH3BP2 (phospho S427) antibody

Description Rabbit polyclonal to SH3BP2 (phospho S427)

ⓘ This product is a **fast track antibody**. It has been affinity purified and shows high titre values against the immunizing peptide by ELISA.

Read the terms of use »

Host species Rabbit

Species reactivity **Reacts with:** Human

Immunogen Synthetic peptide corresponding to Human SH3BP2 aa 400-500 (phospho S427).

Run BLAST with **Run BLAST with**

General notes

Phosphorylation of SH3BP2 occurs on Ser 427 for activation. SH3BP2 mediates interactions of huntingtin and MLK2 (mixed lineage kinase).

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form Liquid

Storage instructions Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Storage buffer Preservative: 0.01% Sodium azide
Constituents: 0.424% Potassium phosphate, 0.87% Sodium chloride

Purity Immunogen affinity purified

Purification notes Affinity purified chromatography using phospho peptide coupled to agarose beads followed by solid phase adsorption(s) against non-phospho peptide and non-specific peptide to remove any

	unwanted reactivities.
Primary antibody notes	Phosphorylation of SH3BP2 occurs on Ser 427 for activation. SH3BP2 mediates interactions of huntingtin and MLK2 (mixed lineage kinase).
Clonality	Polyclonal
Isotype	IgG

Applications

Fast track antibodies constitute a diverse group of products that have been released to accelerate your research, but are not yet fully characterized. They have all been affinity purified and show high titre values against the immunizing peptide (by ELISA).

Fast track terms of use

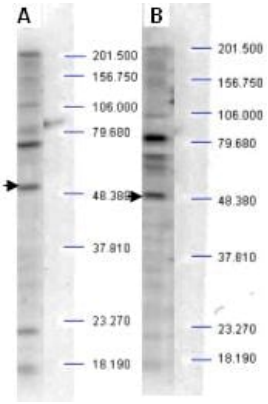
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 62 kDa. Reacts in Western blotting with a band at about 60kD, that probably corresponds to SH3BP1 (Not tested for phospho specificity by Western).
ELISA		Use at an assay dependent concentration. Tested in peptide ELISA against 0.1 ug of the immunizing peptide.

Target

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.
Involvement in 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.
Sequence similarities	Contains 1 PH domain. Contains 1 SH2 domain.

Images

This Fast-Track antibody is not yet fully characterised. These images represent **inconclusive preliminary data**.



Western blot - Anti-SH3BP2 (phospho S427) antibody (ab2176)

Western blot analysis is shown using ab2176 to detect endogenous protein present in unstimulated human whole cell lysates. The band as indicated by the arrowheads is evident in both M059 cells (panel A) and PC-3 cells (panel B). Comparison to a molecular weight marker indicates a band of ~60 kDa that probably corresponds to human SH3BP2 protein. The blot was incubated with a 1:500 dilution of the antibody at room temperature followed by detection using standard techniques.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors