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Datasheet

SH3BP2 (phospho S427) polyclonal antibody

Catalog Number: PAB10066

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic phosphopeptide of SH3BP2.

Immunogen: Synthetic phosphopeptide corresponding to residues surrounding S427 of human SH3BP2.

Host: Rabbit

Reactivity: Human

Applications: ELISA, IP, WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Specificity: This antibody is specific to phosphorylated human SH3BP2 protein at the pS427 residue. Minimal reactivity is expected with the non-phosphorylated form of the protein.

Form: Liquid

Recommend Usage: ELISA (1:2000-1:10000)
Western Blot (1:500-1:2000)
The optimal working dilution should be determined by the end user.

Storage Buffer: In 20 mM KH_2PO_4, 150 mM NaCl, pH 7.2 (0.01% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 6452

Gene Symbol: SH3BP2

Gene Alias: 3BP2, CRBM, CRPM, FLJ42079, RES4-23

Gene Summary: 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]

References:

1. A missense mutation in the SH3BP2 gene on chromosome 4p16.3 found in a case of nonfamilial cherubism. Imai Y, Kanno K, Moriya T, Kayano S, Seino H, Matsubara Y, Yamada A. Cleft Palate Craniofac J. 2003 Nov;40(6):632-8.
2. Novel mutation in the gene encoding c-Abl-binding protein SH3BP2 causes cherubism. Lo B, Faiyaz-Ul-Haque M, Kennedy S, Aviv R, Tsui LC, Teebi AS. Am J Med Genet A. 2003 Aug 15;121A(1):37-40.
3. The chaperone protein 14-3-3 interacts with 3BP2/SH3BP2 and regulates its adapter function. Foucault I, Liu YC, Bernard A, Deckert M. J Biol Chem. 2003 Feb 28;278(9):7146-53. Epub 2002 Dec 24.