

SHP2 Polyclonal Antibody

Catalog NumberPA1-32166

Product data sheet

Details		Tested Applications	Dilution *
Size	100 µg	Immunohistochemistry (Paraffin) (IHC (P))	3-6 µg/mL
Host/Isotope	Goat / IgG		
Class	Polyclonal	Western Blot (WB)	1-3 µg/mL
Type	Antibody		
Immunogen	synthetic peptide YENVGLMQQKSFR (Human).	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.5 mg/mL		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: The peptide used to generate this antibody is available for purchase (GTX29214-PEP).. Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains two tandem Src homology-2 domains, which function as phospho-tyrosine binding domains and mediate the interaction of this PTP with its substrates. This PTP is widely expressed in most tissues and plays a regulatory role in various cell signaling events that are important for a diversity of cell functions, such as mitogenic activation, metabolic control, transcription regulation, and cell migration. Mutations in this gene are a cause of Noonan syndrome as well as acute myeloid leukemia.

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