antibodies

Datasheet for ABIN3032394 anti-PTPN11 antibody (AA 526-551)

5 Images



Overview

Quantity:	0.4 mL
Target:	PTPN11
Binding Specificity:	AA 526-551
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPN11 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 526-551 from the human protein was used as the immunogen for this SHP2 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Rat, Chicken
Purification:	Antigen affinity

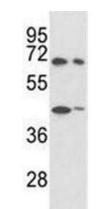
Target Details

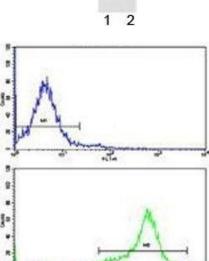
Target:	PTPN11
Alternative Name:	SHP2 (PTPN11 Products)
Target Type:	Viral Protein

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Target Details	
Background:	SHP2, also known as PTPN11, 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 the gene are a cause of Noonan syndrome as well as acute myeloid leukemia.
UniProt:	Q06124
Pathways:	JAK-STAT Signaling, RTK Signaling, TCR Signaling, Interferon-gamma Pathway, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Negative Regulation of Hormone Secretion, Carbohydrate Homeostasis, Toll-Like Receptors Cascades, CXCR4-mediated Signaling Events, Signaling Events mediated by VEGFR1 and VEGFR2, Signaling of Hepatocyte Growth Factor Receptor, VEGFR1 Specific Signals, BCR Signaling, Warburg Effect
Application Details	
Application Notes:	Titration of the SHP2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100,Flow Cytometry: 1:10-1:50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the SHP2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

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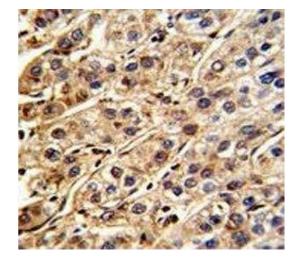


Western Blotting

Image 1. Western blot analysis of SHP2 antibody and 1) 293, 2) K562 lysate.

Flow Cytometry

Image 2. Flow cytometric analysis of 293 cells using SHP2 antibody (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Immunohistochemistry

Image 3. IHC analysis of FFPE human hepatocarcinoma stained with SHP2 antibody

Please check the product details page for more images. Overall 5 images are available for ABIN3032394.

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