

Anti-SHP2 Antibody (Clone# ARC0356)

rev 10/20

CATALOG NO.: A2128-100 (100 µl)

BACKGROUND DESCRIPTION: 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.

ALTERNATE NAMES: BPTP3; CFC; JMML; METCDS; NS1; PTP-1D; PTP2C; SH-PTP2; SH-PTP3; SHP2; PTPN11

ANTIBODY TYPE: Monoclonal

CLONE: ARC0356

HOST/ISOTYPE: Rabbit / IgG

IMMUNOGEN: Synthetic peptide derived from human SHP2

MOLECULAR WEIGHT: 70 kDa

PURIFICATION: Affinity purified

FORM: Liquid

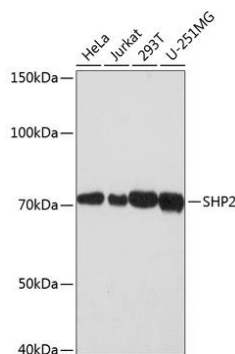
FORMULATION: In PBS with 0.02% sodium azide, 50% glycerol, pH 7.3

SPECIES REACTIVITY: Human

STORAGE CONDITIONS: Store at -20°C. Avoid freeze / thaw cycles

APPLICATIONS AND USAGE: WB 1:500 - 1:2000

This information is only intended as a guide. The optimal dilutions must be determined by the user



Western blot analysis of HeLa, Jurkat, 293T and U-251MG cell extracts using Anti-SHP2 antibody (Clone# ARC0356) at 1:1000 dilution. HRP Goat Anti-Rabbit IgG (H+L) was used as secondary antibody at 1:10000 dilution. 25 µg lysates were loaded per lane. 3% nonfat dry milk in TBST was used as blocking buffer. Detection was performed using ECL Basic Kit. Exposure time was 3 min.

RELATED PRODUCTS:

PDGFR Antibody (Clone # 275CT1) (6787)

Anti-PD-1 Antibody (A1384)

EGFR Antibody (3782)

ROCK1 Antibody (Clone 12M03) (3545)

FOR RESEARCH USE ONLY! Not to be used on humans.