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Datasheet for ABIN1696450

anti-STAP2 antibody (AA 151-250) (Alexa Fluor 555)

Overview

Quantity:	100 µL
Target:	STAP2
Binding Specificity:	AA 151-250
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STAP2 antibody is conjugated to Alexa Fluor 555
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human STAP2
Isotype:	IgG
Predicted Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	STAP2
Alternative Name:	STAP2 (STAP2 Products)
Background:	Synonyms: BKS, Breast tumor kinase substrate, BRK substrate, Signal transducing adaptor

Target Details

protein 2, Signal-transducing adaptor protein 2, Ssignal transducing adaptor family member 2, STAP 2, STAP-2, STAP2, STAP2_HUMAN.

Background: Protein kinases comprise a large group of encoded factors that regulate cellular processes by catalyzing the transfer of a phosphate group to a hydroxyl acceptor in serine, threonine or tyrosine residues (1,2). Kinases are capable of influencing the oncogenic potential of cell sytems at the level of oncoprotein or tumor suppressor protein phosphorylation states (1,2). STAP-2 is a protein that contains a pleckstrin homology (PH) domain and an SH2 domain, and associates with BRK (3). BRK (breast tumor kinase, Sik) is a 451 amino acid, nonreceptor protein-tyrosine kinase that is overexpressed in breast tumors and metastatic melanoma cell lines (4). Similar to the Src family of intracellular kinses, BRK is comprised of an SH3 domain, an SH2 domain, and a catalytic domain (5). STAP-2 is susceptible to tyrosine phosphorylation and may be invovled in tyrosine kinase-mediated signaling cascades, whose aberrant function may lead to metastis (3).

Gene ID: 55620

UniProt: [Q9UGK3](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months