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Rabbit Anti-STAP2 antibody

SL13667R

Product Name:	STAP2
Chinese Name:	Signal transduction接头蛋白2抗体
Alias:	BKS; Breast tumor kinase substrate; BRK substrate; Signal transducing adaptor protein 2; Signal-transducing adaptor protein 2; Ssignal transducing adaptor family member 2; STAP 2; STAP-2; STAP2; STAP2_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	45kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human STAP2:151-250/403
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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 susceptiple to tyrosine phosphorylation and may be invovled in tyrosine kinase-mediated signaling cascades, whose aberrant function may lead to metastis (3).

Function:
Substrate of protein kinase PTK6. May play a regulatory role in the acute-phase response in systemic inflammation and may modulate STAT3 activity.

Subunit:
Interacts with PTK6 and CSF1R.

Subcellular Location:
Cytoplasm.

Tissue Specificity:
Widely expressed.

Post-translational modifications:
Phosphorylated on tyrosine. Tyr-250 may be important for interaction with kinases. Tyr-22 and Tyr-322 appears to be phosphorylated by SRC.

Similarity:
Contains 1 PH domain.
Contains 1 SH2 domain.

SWISS:
Q9UGK3

Gene ID:
55620

Database links:

Entrez Gene: 55620 Human

Omim: 607881 Human

SwissProt: Q9UGK3 Human

Unigene: 194385 Human

	Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.