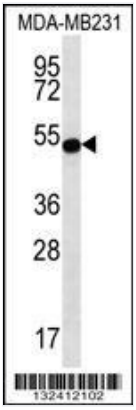
STAP2 Antibody – Rabbit Polyclonal

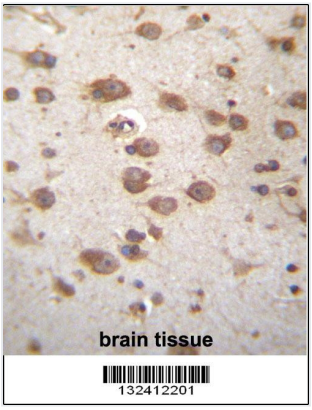
PRODUCT OVERVIEW

Product Name	STAP2, Polyclonal Antibody
Full Product Name	STAP2, ID (STAP2, BKS, Signal-transducing adaptor protein 2, Breast tumor kinase substrate) (PE)
Product Gene Name	anti-STAP2 antibody
Product Synonym Names	STAP2; BKS; Signal-transducing adaptor protein 2; Breast tumor kinase substrate
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	49,649 Da
OMIM	607881
3D Structure	ModBase 3D Structure for Q9UGK3
Immunogen	STAP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 194-224 amino acids from the Central region of human STAP2.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-STAP2 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-STAP2 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-STAP2 antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-STAP2 antibody	This gene encodes the substrate of breast tumor kinase, an Src-type non-receptor tyrosine kinase. The encoded protein possesses domains and several tyrosine phosphorylation sites characteristic of adaptor proteins that mediate the interactions linking proteins involved in signal transduction pathways. Alternative splicing results in multiple transcript variants.
Product References and Citations for anti-STAP2 antibody	Shimada, M., et al. Hum. Genet. 128(4):433-441(2010). Sekine, Y., et al. J. Immunol. 183(12):7966-7974(2009). Sekine, Y., et al. Biochem. Biophys. Res. Commun. 384(2):187-192(2009). Ikeda, O., et al. Biochem. Biophys. Res. Commun. 384(1):71-75(2009). Ikeda, O., et al. Mol. Cell. Biol. 28(16):5027-5042(2008).

Other Notes	Small volumes of anti-STAP2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for STAP2 purchase	MBS6351729 is an antibody targeting STAP2. Also known as STAP2, ID (STAP2, BKS, Signal-transducing adaptor protein 2, Breast tumor kinase substrate) (PE). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-STAP2 antibody
STAP2 Antibody (Center) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the STAP2 antibody detected the STAP2 protein (arrow).



Immunohistochemistry (IHC) of anti-STAP2 antibody
STAP2 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of STAP2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for STAP2. It may not necessarily be applicable to this product.

NCBI GI #	62243769
NCBI GeneID	55620
NCBI Accession #	NP_001013863.1
UniProt Primary Accession #	Q9UGK3
UniProt Secondary Accession #	Q9NXI2; A6NKK3
UniProt Related Accession #	Q9UGK3
GenBank Nucleotide #	NM_001013841.1
NCBI Official Full Name	signal-transducing adaptor protein 2 isoform 2
NCBI Official Synonym Full Names	signal transducing adaptor family member 2
NCBI Official Symbol	STAP2
NCBI Official Synonym Symbols	BKS
UniProt Protein Name	Signal-transducing adaptor protein 2
UniProt Synonym Protein Names	Breast tumor kinase substrate; BRK substrate
Protein Family	Signal-transducing adaptor protein
UniProt Gene Name	STAP2
UniProt Synonym Gene Names	BKS; STAP-2; BRK substrate
UniProt Entry Name	STAP2_HUMAN
NCBI Protein Information	signal-transducing adaptor protein 2; BRK substrate; breast tumor kinase substrate; brk kinase substrate; signal-transducing adaptor protein-2

UniProt Comments for STAP2	STAP2: a widely expressed proimflammatory adaptor protein that regulates immune and inflammatory responses. Binds and modulates a variety of molecules including Brk, CSFR, FCER1, and BCR-ABL. The interaction between STAP-2 and BCR-ABL appears to provide a growth advantage to BCR-ABL+ chronic myeloid leukemia cells. Suppression of STAP-2 expression in K562 CML cells suppressed tumor formation in mice. Enables intestinal proinflammatory responses in vivo: promotes macrophage recruitment in dextran sodium sulfate induced colitis, and promotes the ability of CXCL12-induced migration in macrophages. STAP-2 knockdown in T47D breast cancer cells induced a significant decrease of proliferation. Contains a pleckstrin homology, Src homology 2-like, and as well as a STAT3-binding domains. Two isoforms of the human protein are produced by alternative splicing. Protein type: Adaptor/scaffold Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: cytoplasm; plasma membrane Molecular Function: protein binding
Research Articles on STAP2	**1.** STAP2 is upregulated in uterosacral ligaments in pelvic organ prolapse
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/stap2/6351729