

Goat Anti-STAP2 / BKS Antibody

Peptide-affinity purified goat antibody Catalog # AF2039a

Specification

Goat Anti-STAP2 / BKS Antibody - Product Information

Application WB, IHC Primary Accession Q9UGK3

Other Accession NP 001013863, 55620

Reactivity Human
Host Goat
Clonality Polyclonal
Concentration 100ug/200ul

Isotype IgG Calculated MW 44894

Goat Anti-STAP2 / BKS Antibody - Additional Information

Gene ID 55620

Other Names

Signal-transducing adaptor protein 2, STAP-2, Breast tumor kinase substrate, BRK substrate, STAP2, BKS

Format

0.5 mg lgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-STAP2 / BKS Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-STAP2 / BKS Antibody - Protein Information

Name STAP2

Synonyms BKS

Function

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

Cellular Location



Cytoplasm.

Tissue Location Widely expressed.

Goat Anti-STAP2 / BKS Antibody - Protocols

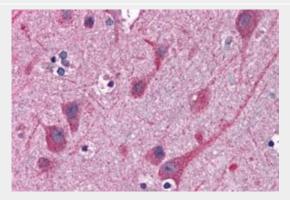
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-STAP2 / BKS Antibody - Images



AF2039a (0.03 μ g/ml) staining of human heart lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF2039a (3.8 μ g/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



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Goat Anti-STAP2 / BKS Antibody - Background

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.

Goat Anti-STAP2 / BKS Antibody - References

An approach based on a genome-wide association study reveals candidate loci for narcolepsy. Shimada M, et al. Hum Genet, 2010 Oct. PMID 20677014.

Signal-transducing adaptor protein-2 regulates stromal cell-derived factor-1 alpha-induced chemotaxis in T cells. Sekine Y, et al. J Immunol, 2009 Dec 15. PMID 19933863.

The protein content of an adaptor protein, STAP-2 is controlled by E3 ubiquitin ligase Cbl. Sekine Y, et al. Biochem Biophys Res Commun, 2009 Jun 26. PMID 19401194.

STAP-2 is phosphorylated at tyrosine-250 by Brk and modulates Brk-mediated STAT3 activation. Ikeda O, et al. Biochem Biophys Res Commun, 2009 Jun 19. PMID 19393627.

STAP-2 negatively regulates both canonical and noncanonical NF-kappaB activation induced by Epstein-Barr virus-derived latent membrane protein 1. Ikeda O, et al. Mol Cell Biol, 2008 Aug. PMID 18573890.