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Goat Anti-STAP2 / BKS Antibody

Peptide-affinity purified goat antibody
Catalog # AF2039a

Specification

Goat Anti-STAP2 / BKS Antibody - Product Information

Application	**WB, IHC, E**
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

Dilution
WB~~1:1000
IHC~~1:100~500
E~~N/A

Format
0.5 mg IgG/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.

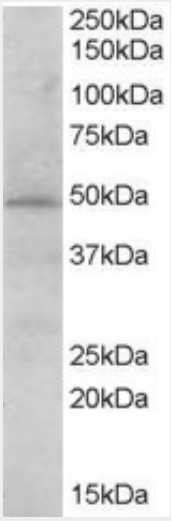
Tissue Location
Widely expressed.

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
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-STAP2 / BKS Antibody - Images



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

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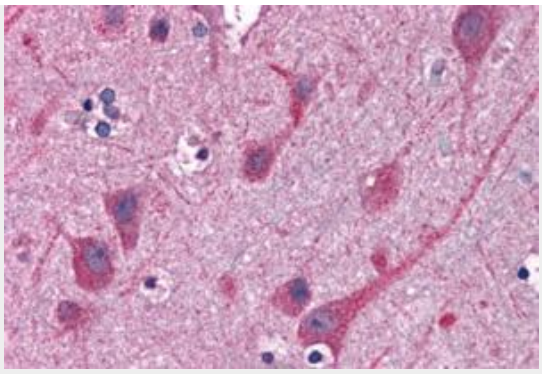

AF2039a (3.8 µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

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.