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EB05127 - Goat Anti-STAP2 / BKS Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: STAP2, BKS, STAP-2, FLJ20234, breast tumor kinase substrate, brk kinase substrate, signal-transducing adaptor protein-2, signal transducing adaptor family

member 2

Official Symbol: STAP2

Accession Number(s): NP_060190.2; NP_001013863.1

Human GenelD(s): 55620

Important Comments: This antibody is expected to recognise isoforms 1 (NP_060190.2)

and isoform 2 (NP_001013863.1).

Immunogen

Peptide with sequence C-ELQKKLEKRRALEH, from the C Terminus of the protein sequence according to NP_060190.2; NP_001013863.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

Western blot: Approx 48kDa band observed in Human Heart lysates and 45kDa band observed in Human Breast Lysates (calculated MW of 49.6kDa according to NP_060190 and of NP_001013863.1). Recommended concentration: 0.5-1.5µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human

Specific References

This antibody (previous batch) has been successfully used in Western blot on Human:

Ikeda O, Mizushima A, Sekine Y, Yamamoto C, Muromoto R, Nanbo A, Oritani K, Yoshimura A, Matsuda T.

Involvement of STAP-2 in Brk-mediated phosphorylation and activation of STAT5 in breast cancer cells.

Cancer Sci. 2011 Apr;102(4):756-61.

PMID: 21205088

This antibody (previous batch) has been successfully used in Western blot on Human:

Ikeda O, Sekine Y, Mizushima A, Nakasuji M, Miyasaka Y, Yamamoto C, Muromoto R, Nanbo A, Oritani K, Yoshimura A, Matsuda T.

Interactions of STAP-2 with Brk and STAT3 participate in cell growth of human breast cancer cells.

J Biol Chem. 2010 Dec 3;285(49):38093-103.

PMID: 20929863

This antibody (previous batch) has been successfully used in WB and IF on Human:

Sekine Y, Ikeda O, Tsuji S, Yamamoto C, Muromoto R, Nanbo A, Oritani K, Yoshimura A, Matsuda T.

Signal-transducing adaptor protein-2 regulates stromal cell-derived factor-1 alpha-induced chemotaxis in T cells.

J Immunol. 2009 Dec 15;183(12):7966-74.

PMID: 19933863

This antibody (previous batch) has been successfully used in the following paper:

Ikeda O, Miyasaka Y, Sekine Y, Mizushima A, Muromoto R, Nanbo A, Yoshimura A, Matsuda T.

STAP-2 is phosphorylated at tyrosine-250 by Brk and modulates Brk-mediated STAT3 activation.

Biochem Biophys Res Commun. 2009 Jun 19;384(1):71-5.

PMID: 19393627

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB05127 (0.5 μ g/ml) staining of Human Heart lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.