

BRDG 1 Antibody (N-term F56)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP1475A

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9ULZ2
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB11940
Calculated MW	34291
Antigen Region	41-70

Additional Information

Gene ID	26228
Other Names	Signal-transducing adaptor protein 1, STAP-1, BCR downstream-signaling protein 1, Docking protein BRDG1, Stem cell adaptor protein 1, STAP1, BRDG1
Target/Specificity	This BRDG 1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 41-70 amino acids from the N-terminal region of human BRDG 1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	BRDG 1 Antibody (N-term F56) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	STAP1
Synonyms	BRDG1
Function	In BCR signaling, appears to function as a docking protein acting

downstream of TEC and participates in a positive feedback loop by increasing the activity of TEC.

Cellular Location

Nucleus. Cytoplasm. Mitochondrion

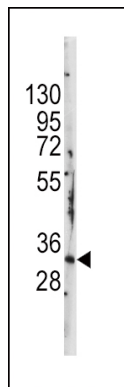
Background

STAP1 functions as a docking protein acting downstream of Tec tyrosine kinase in B cell antigen receptor signaling. The protein is directly phosphorylated by Tec in vitro where it participates in a positive feedback loop, increasing Tec activity.

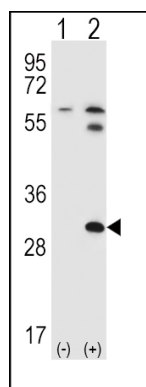
References

Ma,J., Atherosclerosis 191 (1), 63-72 (2007)
Beausoleil,S.A., Nat. Biotechnol. 24 (10), 1285-1292 (2006)
Gstaiger,M., Science 302 (5648), 1208-1212 (2003)
Minoguchi,M., J. Biol. Chem. 278 (13), 11182-11189 (2003)

Images

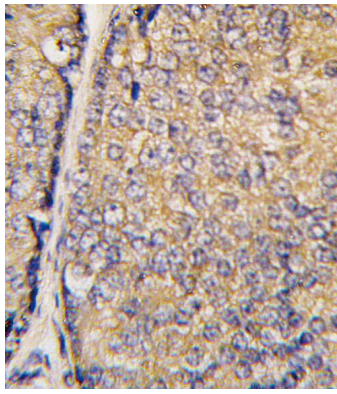


Western blot analysis of anti-STAP1 Antibody (N-term) (F56) (Cat.#AP1475a) in mouse kidney tissue lysates (35ug/lane). STAP1 (arrow) was detected using the purified Pab.



Western blot analysis of STAP1 (arrow) using rabbit polyclonal STAP1 Antibody (N-term) (F56) (Cat.#AP1475a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the STAP1 gene.

Formalin-fixed and paraffin-embedded human prostate carcinoma tissue reacted with STAP1 antibody (N-term)(F56) (Cat.#AP1475a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



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