

Rabbit anti-Human STAP1 Polyclonal Antibody | anti-STAP1 antibody

Anti-STAP1 Antibody, Rabbit Polyclonal

CATALOG # AAA256072	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

STAP1; Polyclonal Antibody; Anti-STAP1 Antibody; Rabbit Polyclonal; STAP1 Antibody; Rabbit PAb; Antigen Affinity Purified; signal transducing adaptor family member 1; Anti-BRDG1 Antibody; Anti-STAP-1 Antibody; anti-STAP1 antibody

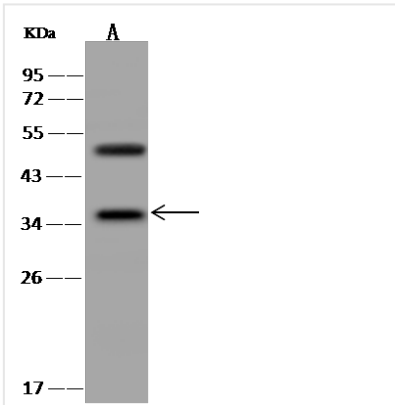
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human STAP1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-STAP1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human STAP1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human STAP1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)

STAP1 was immunoprecipitated using: Lane A: 0.5 mg Daudi Whole Cell Lysate, 4 uL anti-STAP1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-STAP1 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 34 kDa. Observed band size: 34 kDa.



WB (Western Blot)

Anti-STAP1 rabbit polyclonal antibody at 1:500 dilution. Lane A: Daudi Whole Cell Lysate. Lane B: NCI-H460 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 34 kDa. Observed band size: 34 kDa. (We are unsure as to the identity of these extra bands.)

ADDITIONAL INFORMATION

Related Product Information for anti-STAP1 antibody	STAP1 (Signal Transducing Adaptor Family Member 1) is a Protein Coding gene. The STAP1 gene, located on 4q13.2, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat, chicken, and frog. The protein encoded by this gene contains a proline-rich region, a pleckstrin homology (PH) domain, and a region in the carboxy-terminal half with similarity to the Src Homology 2 (SH2) domain. This protein is a substrate of tyrosine-protein kinase Tec, and its interaction with tyrosine-protein kinase Tec is phosphorylation-dependent. STAP1 has been reported as a candidate gene associated with familial hypercholesterolemia. Unlike established familial hypercholesterolemia genes, expression of STAP1 is absent in the liver but mainly observed in immune cells. Diseases associated with STAP1 include Familial Hypercholesterolemia and Sea-Blue Histiocyte Disease.
Product Categories/Family for anti-STAP1 antibody	Adaptor Proteins
References	Loaiza N, et al. (2020) Taking one step back in familial hypercholesterolemia: Stap1 does not alter plasma ldl (low-density lipoprotein) cholesterol in mice and humans. Arterioscler Thromb Vasc Biol 40 (4): 973-985. Fung HC, et al. (2006) Genome-wide genotyping in parkinson's disease and neurologically normal controls: First stage analysis and public release of data. Lancet Neurol 5 (11): 911-916. Blanco-Vaca F, et al. (2018) A rare stap1 mutation incompletely associated with familial hypercholesterolemia. Clin Chim Acta 487 270-274.

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