



Polyclonal Antibody against Human STAP1

Catalog Number: 11A121

Size: 100 µg

Host: Rabbit

Introduction to the Molecule

Signal-transducing adaptor protein 1 (STAP1; also known as BCR downstream-signaling protein 1, BRDG1) is a 37 kDa adaptor protein which is involved in B cell antigen receptor signaling. This protein is a substrate of tyrosine-protein kinase Tec, and its interaction with tyrosine-protein kinase Tec is phosphorylation-dependent. Human STAP1 is 295 amino acids in length and 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. Human STAP1 shares 82% amino acid identity with mouse STAP1.

Purification

Antigen affinity-purified

Immunogen

E. coli-derived recombinant human STAP1

Accession # Q9ULZ2

Specificity

The antibody detects human and mouse STAP1 in Western blots.

Formulation & Storage

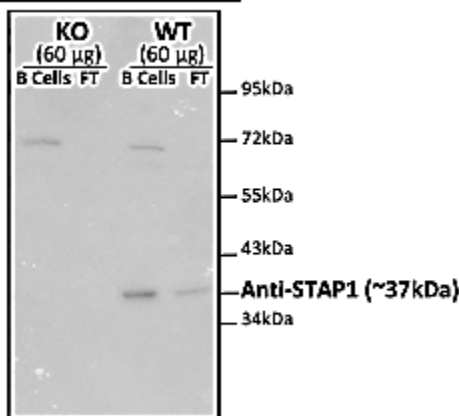
Liquid in phosphate-buffered saline (PBS). Store at -20°C for less than one week. For long-term storage, aliquot and freeze at -80°C. Avoid repeated freeze/thaw cycles.

Application/Usage

Please Note: Optimal dilutions should be determined by each laboratory for each application.

Detection of Human BRDG1 by Western Blot.

B-cell fractionation



Western blot shows B cell fractionation of splenic B cells either C57BL/6 STAP1 KO or WT mice.

PVDF membrane was probed with **8 µg/mL** of Human STAP1 Antigen Affinity-purified Polyclonal Antibody (Catalog # 11A121) followed by HRP conjugated Anti-Rabbit IgG Secondary Antibody. A specific band was detected for STAP1 at approximately 37 kDa (as indicated).

Western blot – recommended concentration **1-5 µg/ml**