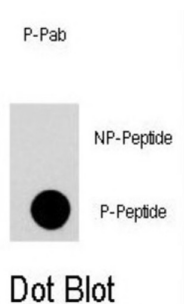


FRAP1 (pT2446) Antibody

Catalogue No.: abx031982



FRAP1 belongs to a family of phosphatidylinositol kinase-related kinases. These kinases mediate cellular responses to stresses such as DNA damage and nutrient deprivation. This protein acts as the target for the cell-cycle arrest and immunosuppressive effects of the FKBP12-rapamycin complex. FRAP1 is a part of the TORC2 complex which plays a critical role in AKT1 Ser-473 phosphorylation, and may modulate the phosphorylation of PKCA and regulate actin cytoskeleton organization.

Target: FRAP1 (pT2446)

Clonality: Polyclonal

Target Modification: Thr2446

Modification: Phosphorylation

Reactivity: Human

Tested Applications: ELISA, DB

Host: Rabbit

Recommended dilutions: DB: 1/500. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: KLH-conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T2446 of human FRAP1.

Isotype: IgG

Form: Liquid

Purification: Purified by protein A affinity chromatography. Then, the antibody fraction was peptide affinity purified in a 2-step procedure with peptides. The antibody was eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

Datasheet

Version: 3.0.0

Revision date: 26 Oct 2025



Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P42345 ([UniProt](#), [ExPASy](#))

NCBI Accession: NP_004949.1

KEGG: hsa:2475

String: [9606.ENSP00000354558](#)

Molecular Weight: Calculated MW: 289 kDa

Buffer: PBS containing 0.09% sodium azide.

Specificity: Predicted to react with Mouse and Rat MTOR.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only