

Datasheet for ABIN7013876
anti-MTOR antibody (AA 1137-1150)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	MTOR (mTOR)
Binding Specificity:	AA 1137-1150
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This MTOR antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

Product Details

Purpose:	MTOR / FRAP2 (aa1137-1150)
Sequence:	ETVDRLTESL DFTD
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	MTOR (mTOR)
Alternative Name:	MTOR (mTOR Products)

Target Details

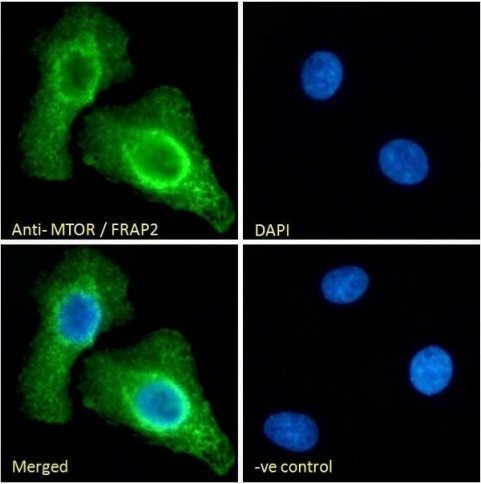
Background:	MTOR, mechanistic target of rapamycin (serine/threonine kinase), FLJ44809, FRAP, FRAP1, FRAP2, RAFT1, RAPT1, FK506 binding protein 12-rapamycin associated protein 1, FK506 binding protein 12-rapamycin associated protein 2, FK506-binding protein 12-rapamycin
Gene ID:	2475, 56717, 56718
Pathways:	PI3K-Akt Signaling , RTK Signaling , AMPK Signaling , Interferon-gamma Pathway , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Regulation of Actin Filament Polymerization , Regulation of Muscle Cell Differentiation , Regulation of Cell Size , Skeletal Muscle Fiber Development , Regulation of Carbohydrate Metabolic Process , Autophagy , CXCR4-mediated Signaling Events , BCR Signaling , Warburg Effect

Application Details

Application Notes:	Peptide ELISA: antibody detection limit dilution 1:64000.
Comment:	Immunofluorescence: Strong expression of the protein seen in the ER and vesicles/cytoplasm of HEK293 cells. Recommended concentration: 10µg/ml.
Restrictions:	For Research Use only

Handling

Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



Immunofluorescence

Image 1. (ABIN7013876) Immunofluorescence analysis of paraformaldehyde fixe HEK293 cells, permeabilized with 0.15 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL), showing endoplasmic reticulum and cytoplasmic staining. T