

Product datasheet for **TA378783**

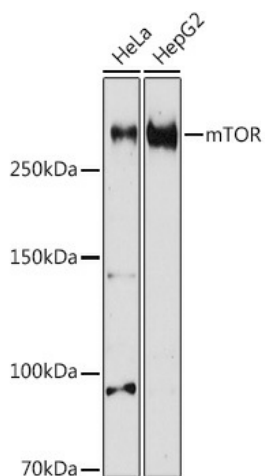
MTOR Rabbit Polyclonal Antibody

Product data:

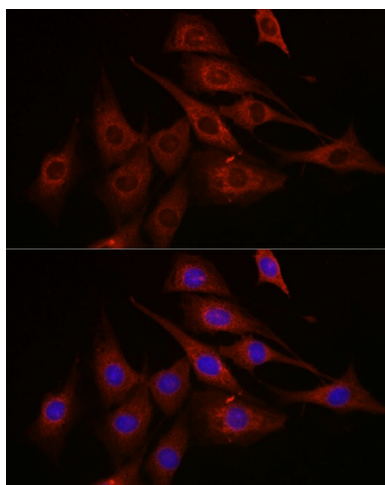
Product Type:	Primary Antibodies
Applications:	ICC/IF, IP, WB
Recommended Dilution:	WB, 1:500 - 1:2000 IF, 1:50 - 1:200
Reactivity:	Human, Mouse
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 2400-2500 of human mTOR (NP_004949.1).
Formulation:	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	288kDa
Gene Name:	mechanistic target of rapamycin
Database Link:	Entrez Gene 2475 Human P42345
Background:	The protein encoded by this gene 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. The ANGPTL7 gene is located in an intron of this gene.
Synonyms:	FLJ44809; FRAP; FRAP1; FRAP2; KIAA1303; RAFT1; RAPT1; RAPTOR; RPTOR



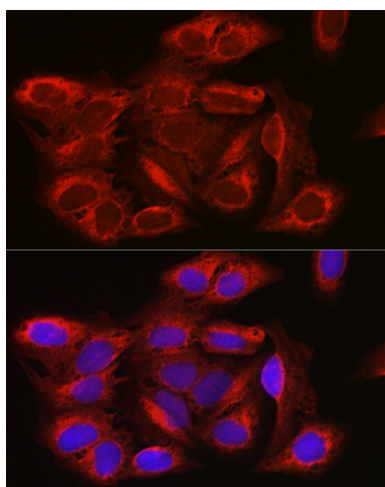
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Product images:

Western blot analysis of extracts of various cell lines, using mTOR antibody (TA378783) at 1:500 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 60s.



Immunofluorescence analysis of NIH-3T3 cells using mTOR Rabbit pAb (TA378783) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using mTOR Rabbit pAb (TA378783) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.