

mTOR Polyclonal Antibody

Catalog No: #41187

Package Size: #41187-1 50ul #41187-2 100ul

Description

Product Name	mTOR Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC IF ELISA
Species Reactivity	Hu Ms Rt
Specificity	mTOR Polyclonal Antibody detects endogenous levels of mTOR protein.
Immunogen Type	peptide
Immunogen Description	Synthesized peptide derived from human mTOR around the non-phosphorylation site of S2448.
Conjugates	Unconjugated
Target Name	mTOR
Other Names	MTOR; FRAP; FRAP1; FRAP2; RAFT1; RAPT1; Serine/threonine-protein kinase mTOR; FK506-binding protein 12-rapamycin complex-associated protein 1; FKBP12-rapamycin complex-associated protein; Mammalian target of rapamycin; mTOR; Mechanistic tar
Accession No.	Swiss-Prot: P42345NCBI Gene ID: 2475
SDS-PAGE MW	289kd
Concentration	1mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C/1 year

Application Details

Western Blot: 1/500 - 1/2000.

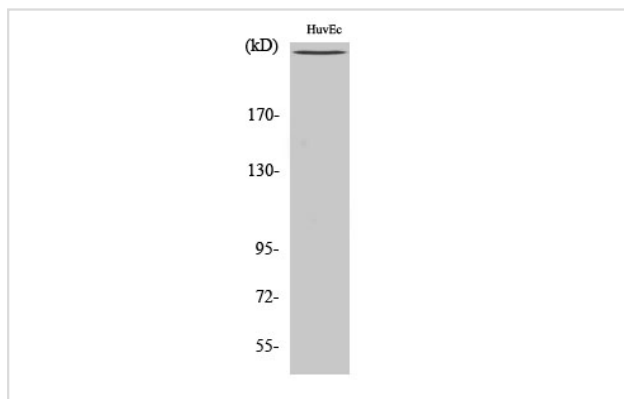
Immunohistochemistry: 1/100 - 1/300.

Immunofluorescence: 1/200 - 1/1000.

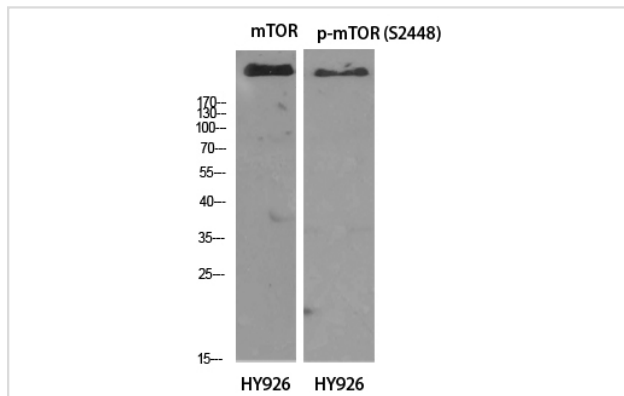
ELISA: 1/40000.

Not yet tested in other applications.

Images



Western Blot analysis of HuvEc cells using mTOR Polyclonal Antibody



Western Blot analysis of HY926 cells using mTOR Polyclonal Antibody

Published Papers

el at., Lithium chloride ameliorated spatial cognitive impairment through activating mTOR phosphorylation and inhibiting excessive autophagy in the repeated cerebral ischemia-reperfusion mouse model. In *Exp Ther Med* on 2020 Nov by Yining Xiao, Mingyue Fan et al..PMID:32989388, , (2020)
[PMID:32989388](#)

el at., Grape seed proanthocyanidin extract ameliorates cisplatin-induced testicular apoptosis via PI3K/Akt/mTOR and endoplasmic reticulum stress pathways in rats. In *J Food Biochem* on 2021 Jun 21 by Xuhong Chang, Minmin Tian,et al..PMID:34152018, , (2021)
[PMID:34152018](#)

Yuanfan Chen;Jiaying Liu;Shaowen Zhong;Tianwu Zhang;Jin Yuan;Jing Zhang;Ying Chen;Jian Liang;Yonger Chen;Shaozhen Hou;Haiyang Huang;Jie Gao et al., Monotropein inhibits epithelial-mesenchymal transition in chronic colitis via the mTOR/P70S6K pathway., , (2025)
[PMID:40041493](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.