Anti-mTOR antibody (1-300) (STJ29884)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IF/ICC/IP/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

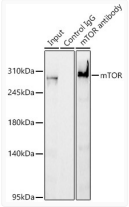
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:1000-1:5000 IF/ICC:1:50-1:200 IP:0.5 Mu g-4 Mu g antibody for 200 Mu g-400 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirement
Formulation	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 289kDa Observed Mw: 289kDa
Storage Instruction	Store at-20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

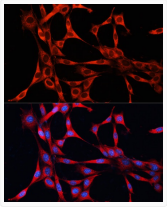
Gene ID	2475
Gene Symbol	MTOR
UniProt ID	MTOR_HUMAN
Immunogen Region	1-300
Immunogen Sequence	MLGTGPAAATTAATTSSNVS VLQQFASGLKSRNEETRAKA AKELQHYVTMELREMSQEES TRFYDQLNHHIFELVSSSDA NERKGGILAIASLIGVEGGN ATRIGRFANYLRNLLPSNDP VVMEMASKAIGRLAMAGDTF TAEYVEFEVKRALEWLGADR NEGRRHAAVLVLRELAISVP TFFFQQVQPFFDNIFVAVWD PKQAIREGAVAALRACLILT TQREPKEMQKPQWYRHTFE
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human mTOR (NP_004949.1).

ADDITIONAL INFORMATION

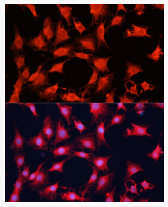
Note	STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



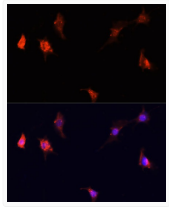
Immunoprecipitation analysis of 300ug extracts of K-562 cells using 3ug mTOR Rabbit polyclonal antibody (STJ29884 1:70). Western blot was performed from the immunoprecipitate using mTOR Rabbit polyclonal antibody (STJ29884) at a dilition of 1:500.



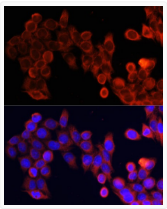
Immunofluorescence analysis of NIH/3T3 cells using mTOR Rabbit polyclonal antibody (STJ29884) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



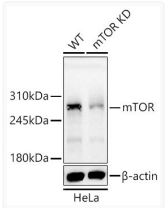
Immunofluorescence analysis of C6 cells using mTOR Rabbit polyclonal antibody (STJ29884) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



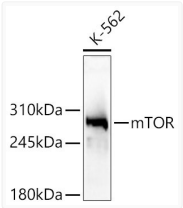
Immunofluorescence analysis of PC12 cells using mTOR Rabbit polyclonal antibody (STJ29884) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa cells using mTOR Rabbit polyclonal antibody (STJ29884) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of lysates from wild type (WT) and mTOR knockdown (KD) HeLa cells using mTOR Rabbit polyclonal antibody (STJ29884) at 1:2000 dilution. Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 14 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.



Western blot analysis of lysates from K-562 cells using mTOR Rabbit polyclonal antibody (STJ29884) at 1:2000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.