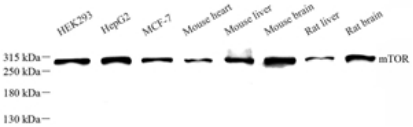
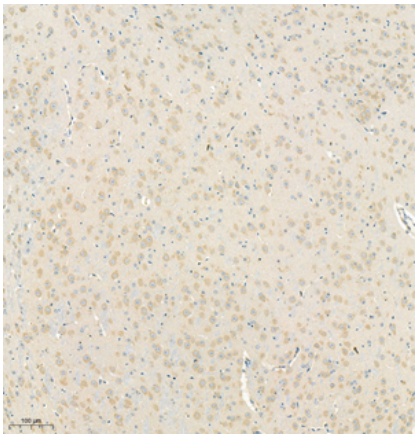
Product name:	Anti-mTOR Rabbit Polyclonal Antibody
Cat number:	ABS111839
Conjugate:	unconjugated
Size:	100 µL
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	KLH conjugated Synthetic peptide corresponding to Human mTOR
Reactivity:	Human, Mouse, Rat
Applications:	Western Blot:1: 500-1: 1000 Immunohistochemistry(paraffin embedded tissues): 1:200-1:500
Molecular Weight:	289 kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	PBS with 0.02%sodium azide,100 µg/ml BSA and 50% glycerol.
Storage:	Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles.
Background:	MTOR, also named as FRAP1, FRAP, FRAP2 and RAPT1, belongs to the PI3/PI4-kinase family. MTOR is a Ser/Thr protein kinase that functions as an ATP and amino acid sensor to balance nutrient availability and cell growth. MTOR is kinase subunit of both mTORC1 and mTORC2, which regulate cell growth and survival in response to nutrient and hormonal signals. MTOR has a calculated molecular mass of 289 kDa, and always can be detected at about 250 kDa due to some modifications.



WB analysis of mTOR Sample: Protein treated by RIPA Lysis Buffer .Blocking buffer: 3% Nonfat dry milk in TBST, RT, 1h.Primary antibody: 1: 1000, 4℃ overnight.Secondary antibody: HRP conjugated Goat Anti-Rabbit lgG , 1: 3000, RT, 1h.



IHC analysis of mTOR Sample: Mouse brain 4% PFA 12-24h. Antigen retrieval: Citrate buffer , 98℃, 20 min. Primary antibody: 1: 300, 4℃ overnight. Secondary antibody: HRP conjugated Goat Anti-Rabbit lgG , 1: 200, RT, 1h.

IHC analysis of mTOR Sample: Rat brain 4% PFA 12-24h. Antigen retrieval: Citrate buffer , 98℃, 20 min. Primary antibody: 1: 300, 4℃ overnight. Secondary antibody: HRP conjugated Goat Anti-Rabbit lgG , 1: 200, RT, 1h.