

Datasheet for ABIN7427519
anti-MTOR antibody (AA 2226-2488)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	MTOR (mTOR)
Binding Specificity:	AA 2226-2488
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MTOR antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Monoclonal Antibody to Serine/threonine-protein kinase mTOR (mTOR)
Immunogen:	Recombinant Serine/threonine-protein kinase mTOR (mTOR) corresponding to Ala2226~Val2488 with N-terminal His Tag
Clone:	D4
Isotype:	IgG
Specificity:	The antibody is a mouse monoclonal antibody raised against mTOR. It has been selected for its ability to recognize mTOR in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse, Rat
Purification:	Protein A + Protein G affinity chromatography

Target Details

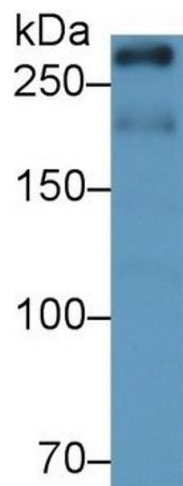
Target:	MTOR (mTOR)
Alternative Name:	Serine/threonine-protein kinase mTOR (mTOR Products)
Background:	FRAP, FRAP1, FRAP2, MTOR, RAFT1, RAPT1, FK506 Binding Protein 12 Rapamycin Associated Protein, Mammalian Target Of Rapamycin, FKBP12-Rapamycin Complex-Associated Protein 1, Rapamycin and FKBP12 target
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:	Western blotting: 0.5-5 µg/mL Immunohistochemistry: 5-30 µg/mL Immunocytochemistry: 5-30 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

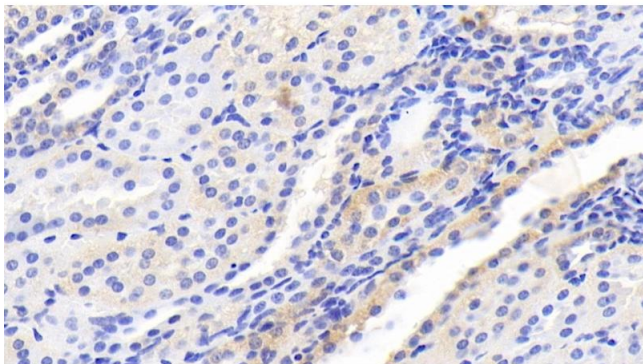
Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



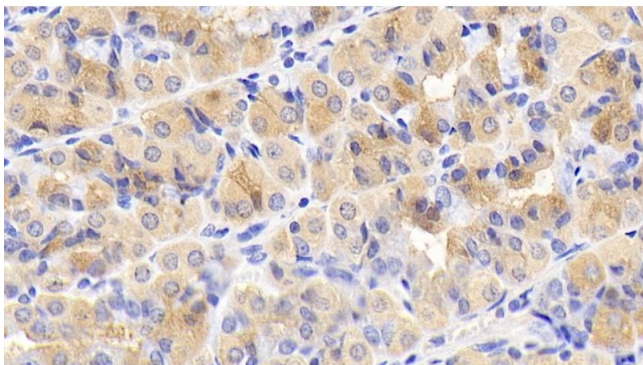
Western Blotting

Image 1. Detection of mTOR in Rat Cerebrum lysate using Monoclonal Antibody to Serine/threonine-protein kinase mTOR (mTOR)



Immunohistochemistry

Image 2. Detection of mTOR in Human Kidney Tissue using Monoclonal Antibody to Serine/threonine-protein kinase mTOR (mTOR)



Immunohistochemistry

Image 3. Detection of mTOR in Human Stomach Tissue using Monoclonal Antibody to Serine/threonine-protein kinase mTOR (mTOR)