Datasheet for ABIN7440680

anti-MTOR antibody (AA 2226-2488)

7 Images

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Overview

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

Product Details

Purpose:	Polyclonal Antibody to Serine/threonine-protein kinase mTOR (mTOR)
Immunogen:	Recombinant Serine/threonine-protein kinase mTOR (mTOR) corresdonding to Ala2226~Val2488 with N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against mTOR. It has been selected for its ability to recognize mTOR in immunohistochemical staining and western blotting.
Cross-Reactivity:	Pig
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

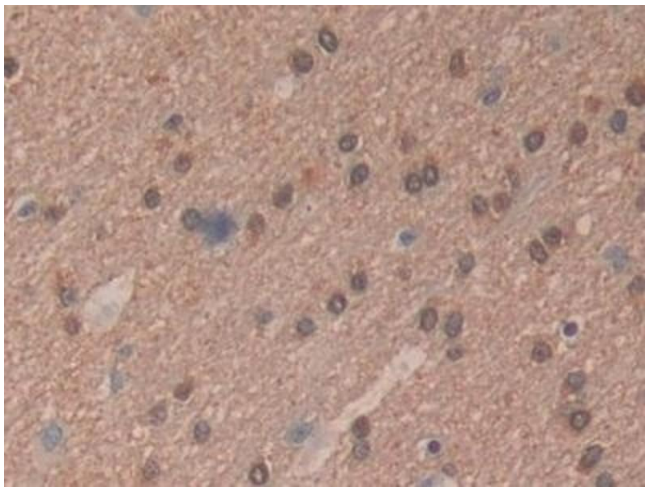
Target:	MTOR (mTOR)
Alternative Name:	Serine/threonine-protein kinase mTOR (mTOR Products)
Background:	FRAP, FRAP1, FRAP2, MTOR, RAFT1, RAPT1, FK506 Binding Protein 12 Rapamycin Associated Protein, Mammalian Target Of Rapamycin, FKBP12-Rapamycin Complex-Associated Protein 1, Rapamycin and FKBP12 target
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: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 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

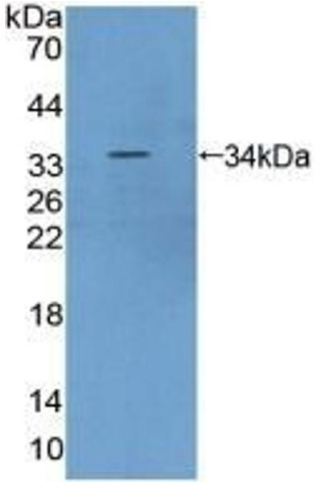
Handling

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



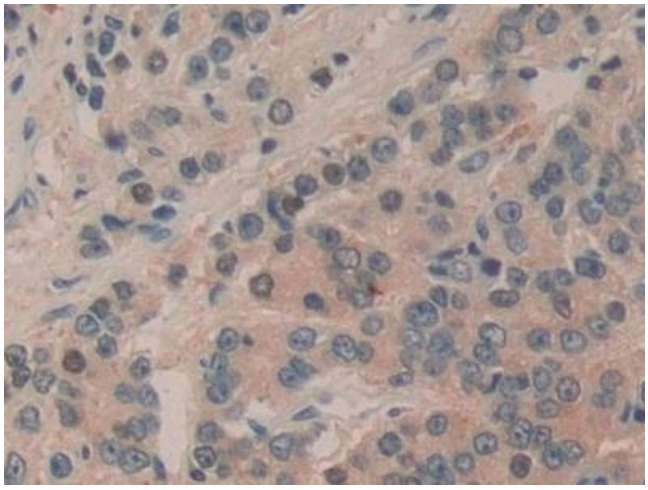
Immunohistochemistry

Image 1. Detection of mTOR in Human Brain Tissue using Polyclonal Antibody to Serine/threonine-protein kinase mTOR (mTOR)



Western Blotting

Image 2. Detection of Recombinant FRAP, Human using Polyclonal Antibody to Serine/threonine-protein kinase mTOR (mTOR)



Immunohistochemistry

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

Please check the product details page for more images. Overall 7 images are available for ABIN7440680.