

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-mTOR



Numéro de catalogue: 20657-1-AP

Phare

187 Publications

Informations de base

Numéro de catalogue:

20657-1-AP

Taille:

150ul, Concentration: 327 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Numéro d'acquisition GenBank:

NM_004958

Identification du gène (NCBI):

2475

Nom complet:

FK506 binding protein 12-rapamycin associated protein 1

MW calculé

289 kDa

MW observés:

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:500-1:1000

IHC 1:50-1:500

IF 1:50-1:500

Applications

Applications testées:

IF, IHC, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

bovin, canin, Humain, porc, poulet, rat, souris, Hamster, fish

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules MCF-7, cellules HeLa, cellules MDA-MB-453s

IHC : tissu testiculaire de souris, tissu de cancer du sein humain

IF : cellules HeLa,

Informations générales

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. mTORC1 is activated in response to growth factors or amino-acids. mTORC2 is also activated by growth factors, but seems to be nutrient-insensitive. mTORC2 seems to function upstream of Rho GTPases to regulate the actin cytoskeleton, probably by activating one or more Rho-type guanine nucleotide exchange factors. mTORC2 promotes the serum-induced formation of stress-fibers or F-actin. MTOR has a calculated molecular mass of 289 kDa, and always can be detected at about 250 kDa due to some modifications (PMID: 14578359). The antibody is specific to MTOR.

Publications notables

Autrice	Pubmed ID	Journal	Application
Samana Batool	30274346	Int J Mol Sci	WB
Fan Wang	28990055	Mol Med Rep	WB
Jing Chen	34650978	Front Cell Dev Biol	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

For technical support and original validation data for this product please contact:

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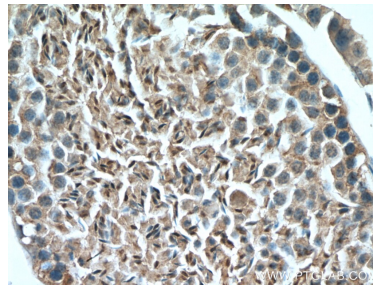
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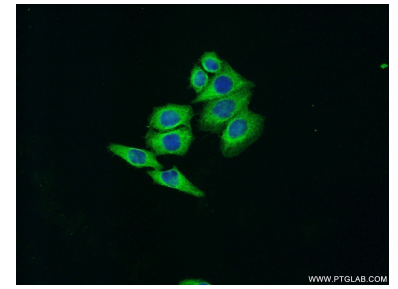
Données de validation sélectionnées



MCF7 cells were subjected to SDS PAGE followed by western blot with 20657-1-AP (mTOR antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 20657-1-AP (mTOR antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HeLa cells using 20657-1-AP (mTOR antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).