

Phospho-mTOR-S2448 Monoclonal Antibody

CABP0115

Description

This Phospho-mTOR-S2448 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU: CABP0115
Contents: 20 µL, 100 µL
Bradford Reagent: 1 vial (2ml)
Category: Monoclonal Antibody
Synonyms: SKS, FRAP, FRAP1, FRAP2, RAFT1, RAPT1, Phospho-mTOR-S2448
Clone: ARC0094
Applications: WB ELISA
Conjugation: Unconjugated
Reactivity: Human, Mouse

Antibody Data

Gene ID: 2475
Uniprot: AB_2832985
Host Species: Rabbit
Purification: Affinity purification
Observed MW: 289kDa
Calculated MW: 289kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

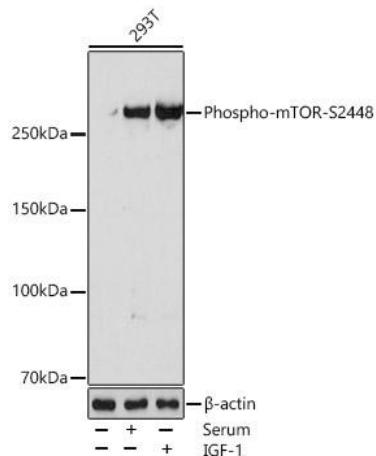
Positive Sample: 293T treated with 10% FBS, 293T treated with IGF-1, NIH/3T3 treated with EGF

Recommended Dilutions:

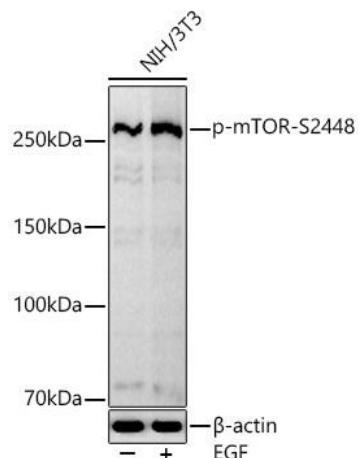
WB	1:500 - 1:1000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Validation Data



Western blot analysis of lysates from 293T cells, using Phospho-mTOR- Rabbit mAb (CABP0115) at 1:1000 dilution. 293T cells were treated with 10% FBS at 37°C for 30 minutes after serum-starvation overnight or treated with IGF-1 (50 ng/mL) at 37°C for 5 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1s.



Western blot analysis of lysates from NIH/3T3 cells, using Phospho-mTOR- Rabbit mAb (CABP0115) at 1:1000 dilution. NIH/3T3 cells were treated with EGF (100 ng/ml) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 90s.