

Protor-2 (D19A5) Rabbit mAb

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For Research Use Only. Not for Use in Diagnostic Procedures.

| Applications: | Reactivity: | Sensitivity: | MW (kDa): | Source/Isotype: | UniProt ID: | Entrez-Gene Id: |
|---------------|-------------|--------------|-----------|-----------------|-------------|-----------------|
| W | H Mk | Endogenous | 42 | Rabbit IgG | #Q6MZQ0 | 79899 |

Product Usage Information**Application**

Western Blotting

Dilution

1:1000

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

Protor-2 (D19A5) Rabbit mAb recognizes endogenous levels of total protor-2 protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human protor-2 protein.

Background

Protein observed with rictor-1 (protor-1) and protor-2 both interact with rictor and were identified as components of mTORC2 (1). The absence of protor-1 or protor-2 does not affect the assembly of other mTORC2 components into an active complex (2). Protor-1 was shown to be essential for the activation of SGK1 mediated by mTORC2 (2). Protor-2 plays a role in tristetraprolin-mediated mRNA turnover (3).

Background References

1. Pearce, L.R. et al. (2007) *Biochem J* 405, 513-22.
2. Pearce, L.R. et al. (2011) *Biochem J* 436, 169-79.
3. Holmes, B. et al. (2012) *Cell Signal* 24, 309-15.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting

Cross-Reactivity Key

H: Human **Mk:** Monkey

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