

#5888 Store at -20C

LATS2 (D83D6) Rabbit mAb


Cell Signaling
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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: |
|---------------|-------------|------------------|-----------|-----------------|-------------|-----------------|
| WB | H | Transfected Only | 150 | Rabbit IgG | #Q9NRM7 | 26524 |

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

LATS2 (D83D6) Rabbit mAb detects transfected levels of total LATS2 protein.

Species predicted to react based on 100% sequence homology:

Monkey

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human LATS2 protein.

Background

Large tumor suppressor kinase 2 (LATS2) is an AGC kinase of the NDR family of kinases. It is a LATS family tumor suppressor that plays a critical role in centrosome duplication, maintenance of mitotic fidelity, and genomic stability (1). LATS2 inhibits cell growth at the G1/S transition by down-regulating cyclin E/CDK2 kinase activity (2). It also plays an important role in regulation of the Hippo pathway, which is important in controlling organ size and tumor progression by regulating cellular proliferation and promoting apoptosis (3-5).

Background References

1. Yabuta, N. et al. (2007) *J Biol Chem* 282, 19259-71.
2. Li, Y. et al. (2003) *Oncogene* 22, 4398-405.
3. Harvey, K. and Tapon, N. (2007) *Nat Rev Cancer* 7, 182-91.
4. Zeng, Q. and Hong, W. (2008) *Cancer Cell* 13, 188-92.
5. Visser, S. and Yang, X. (2010) *Cell Cycle* 9, 3892-903.

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

WB: Western Blotting

Cross-Reactivity Key

H: human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Mi:** mink **C:** chicken **Dm:** D. melanogaster **X:** Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Sc:** S. cerevisiae **Ce:** C. elegans **Hr:** horse **GP:** Guinea Pig **Rab:** rabbit **All:** all species expected

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