LATS2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LATS2, Polyclonal Antibody
Full Product Name	LATS2 (Large Tumor Suppressor Homolog 2, LATS-2, FLJ13161, Kinase Phosphorylated During Mitosis Protein, KPM, Serine/threonine-protein Kinase LATS2, Serine/threonine-protein Kinase kpm, Warts-like Kinase) (MaxLight 490)
Product Gene Name	anti-LATS2 antibody
Product Synonym Names	LATS; Large Tumor Suppressor; Homolog 2 (Drosophila); EC=2.7.11.1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human LATS2. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	115.321
3D Structure	ModBase 3D Structure for Q9P2X1
Immunogen	Synthetic peptide selected from the center region of human LATS2 (KLH).
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-LATS2 antibody	Antibodies; Tumor Suppressors
Applications Tested/Suitable for anti-LATS2 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-LATS2 antibody	IHC: 1:10-1:50 FLISA: 1:1,000 WB: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-LATS2 antibody	MBS6484784 is an antibody targeting LATS2. Also known as LATS2 (Large Tumor Suppressor Homolog 2, LATS-2, FLJ13161, Kinase Phosphorylated During Mitosis Protein, KPM, Serine/threonine-protein Kinase LATS2, Serine/threonine-protein Kinase kpm, Warts-like Kinase) (MaxLight 490). Reactive in Human, Mouse. Host: Rabbit.
Product References and Citations for anti-LATS2 antibody	1. Blume-Jensen P, et al. Nature 2001. 411: 355. 2. Cantrell D, J. Cell Sci. 2001. 114: 1439. 3. Jhiang S Oncogene 2000. 19: 5590. 4. Manning G, et al. Science 2002. 298: 1912. 5. Moller, D, et al. Am. J. Physiol. 1994. 266: C351-C359. 6.Robertson, S. et al. Trends Genet. 2000. 16: 368. 7.Robinson D, et al. Oncogene 2000. 19: 5548. 8.Van der Ven, P, et al. Hum. Molec. Genet. 1993. 2: 1889. 9.Vanhaesebroeck, B, et al. Biochem. J. 2000. 346: 561. 10.Van Weering D, et al. Recent Results Cancer Res. 1998. 154: 271.

Other Notes	Small volumes of anti-LATS2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LATS2. It may not necessarily be applicable to this product.

NCBI GI #	126507091
NCBI GeneID	26524
NCBI Accession #	NP_055387
UniProt Primary Accession #	Q9P2X1
UniProt Related Accession #	Q9NRM7
GenBank Nucleotide #	NP_055387.2
NCBI Official Full Name	serine/threonine-protein kinase LATS2
NCBI Official Synonym Full Names	large tumor suppressor kinase 2
NCBI Official Symbol	LATS2
NCBI Official Synonym Symbols	KPM
Protein Family	Serine/threonine-protein kinase
NCBI Protein Information	serine/threonine-protein kinase LATS2
NCBI Summary for LATS2	This gene encodes a serine/threonine protein kinase belonging to the LATS tumor suppressor family. The protein localizes to centrosomes during interphase, and early and late metaphase. It interacts with the centrosomal proteins aurora-A and ajuba and is required for accumulation of gamma-tubulin and spindle formation at the onset of mitosis. It also interacts with a negative regulator of p53 and may function in a positive feedback loop with p53 that responds to cytoskeleton damage. Additionally, it can function as a co-repressor of androgen-responsive gene expression. [provided by RefSeq, Jul 2008]
Research Articles on LATS2	**1.** Study reports a kinase activity-independent role of LATS1, but not LATS2, in regulating therapy-induced autophagy in hepatocellular carcinoma (HCC) cells. The results indicate that this scaffolding function of LATS1 plays a critical role in the regulation of autophagy and in therapy response of HCC cells and potentially other cancer type cells.
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