HTATIP2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HTATIP2, Polyclonal Antibody
Full Product Name	HTATIP2, NT (HTATIP2, CC3, TIP30, Oxidoreductase HTATIP2, 30kD HIV-1 TAT-interacting protein, HIV-1 TAT-interactive protein 2) (MaxLight 405)
Product Gene Name	anti-HTATIP2 antibody
Product Synonym Names	HTATIP2; CC3; TIP30; Oxidoreductase HTATIP2; 30kD HIV-1 TAT-interacting protein; HIV-1 TAT-interactive protein 2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
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: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	605628
3D Structure	ModBase 3D Structure for Q9BUP3
Immunogen	HTATIP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 44-74 amino acids from the N-terminal region of human HTATIP2.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-HTATIP2 antibody	Antibodies; Infectious Disease HIV
Applications Tested/Suitable for anti-HTATIP2 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-HTATIP2 antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-HTATIP2 antibody	Oxidoreductase required for tumor suppression. NAPDH-bound form inhibits nuclear import by competing with nuclear import substrates for binding to a subset of nuclear transport receptors. May act as a redox sensor linked to transcription through regulation of nuclear import. Isoform 1 is a metastasis suppressor with proapoptotic as well as antiangiogenic properties. Isoform 2 has an antiapoptotic effect.
Product References and Citations for anti-HTATIP2 antibody	Chen, X., et al. Dig. Dis. Sci. 55(8):2219-2226(2010). Fong, S., et al. BMC Cell Biol. 11, 23 (2010): Nakahara, J., et al. Expert Opin. Ther. Targets 13(12):1375-1386(2009). Tong, X., et al. Am. J. Pathol. 174(5):1931-1939(2009). Nakahara, J., et al. J. Clin. Invest. 119(1):169-181(2009).

Other Notes	Small volumes of anti-HTATIP2 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.
Searchable Terms for HTATIP2 purchase	MBS6308787 is an antibody targeting HTATIP2. Also known as HTATIP2, NT (HTATIP2, CC3, TIP30, Oxidoreductase HTATIP2, 30kD HIV-1 TAT-interacting protein, HIV-1 TAT-interactive protein 2) (MaxLight 405). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HTATIP2. It may not necessarily be applicable to this product.

NCBI GI #	148728168
NCBI GeneID	10553
NCBI Accession #	NP_001091991.1
NCBI Related Accession #	NP_001091993.1; NP_001091992.1
UniProt Primary Accession #	Q9BUP3
UniProt Related Accession #	Q9BUP3
GenBank Nucleotide #	NP_001091991.1
NCBI Official Full Name	oxidoreductase HTATIP2 isoform b
NCBI Official Synonym Full Names	HIV-1 Tat interactive protein 2
NCBI Official Symbol	HTATIP2
NCBI Official Synonym Symbols	CC3; TIP30; SDR44U1
UniProt Protein Name	Oxidoreductase HTATIP2
UniProt Synonym Protein Names	30 kDa HIV-1 TAT-interacting protein; HIV-1 TAT-interactive protein 2
Protein Family	Oxidoreductase
UniProt Gene Name	HTATIP2
UniProt Entry Name	HTAI2_HUMAN
NCBI Protein Information	oxidoreductase HTATIP2
UniProt Comments for HTATIP2	HTATIP2: Oxidoreductase required for tumor suppression. NAPDH- bound form inhibits nuclear import by competing with nuclear import substrates for binding to a subset of nuclear transport receptors. May act as a redox sensor linked to transcription through regulation of nuclear import. Isoform 1 is a metastasis suppressor with proapoptotic as well as antiangiogenic properties. Isoform 2 has an antiapoptotic effect. 3 isoforms of the human protein are produced by alternative splicing. Protein type: EC 1.1.1.-; Nuclear envelope; Transcription factor; Apoptosis; Tumor suppressor; Oxidoreductase Chromosomal Location of Human Ortholog: 11p15.1 Cellular Component: membrane; cytoplasm; nuclear envelope; nucleus Molecular Function: protein binding; transcription coactivator activity; oxidoreductase activity Biological Process: regulation of transcription from RNA polymerase II promoter; viral reproduction; apoptosis; nuclear import; angiogenesis; cell differentiation; regulation of angiogenesis; negative regulation of apoptosis
Research Articles on HTATIP2	**1.** Here, we identified the tumor suppressor protein TIP30 as novel inhibitor of cardiac hypertrophy and dysfunction. The results are relevant for human disease, since the authors found diminished cardiac TIP30 levels in samples from patients suffering from end-stage heart failure or hypertrophic cardiomyopathy.

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