

HTATIP2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14762a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9BUP3
Other Accession	Q9Z2G9 , NP_001091991.1 , NP_001091993.1 , NP_001091992.1
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35013
Calculated MW	27049
Antigen Region	45-74

Additional Information

Gene ID	10553
Other Names	Oxidoreductase HTATIP2, 111-, 30 kDa HIV-1 TAT-interacting protein, HIV-1 TAT-interactive protein 2, HTATIP2 (HGNC:16637)
Target/Specificity	This HTATIP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 45-74 amino acids from the N-terminal region of human HTATIP2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HTATIP2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HTATIP2 (HGNC:16637)
Function	Represses translation by preventing reactivation of elongation factor eEF1A (By similarity). May also inhibit nuclear import by competing with nuclear

import substrates for binding to a subset of nuclear transport receptors (PubMed:[15282309](#)). Has additionally been proposed to act as a redox sensor involved in cellular oxidative stress surveillance (PubMed:[18519672](#)).

Cellular Location

Cytoplasm.

Tissue Location

High levels in liver, lung, skeletal muscle, pancreas and placenta (PubMed:9174052). Moderate levels in heart and kidney (PubMed:9174052). Low levels in brain (PubMed:9174052). Not expressed or low levels in variant small cell lung carcinomas, 33% of hepatocellular carcinomas and neuroblastomas (PubMed:14695192). Levels are reduced in the heart of patients with hypertrophic cardiomyopathy and failing hearts (PubMed:31468715).

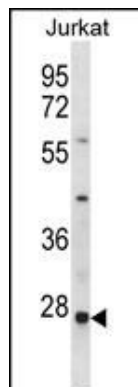
Background

Oxidoreductase required for tumor suppression. NADPH-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.

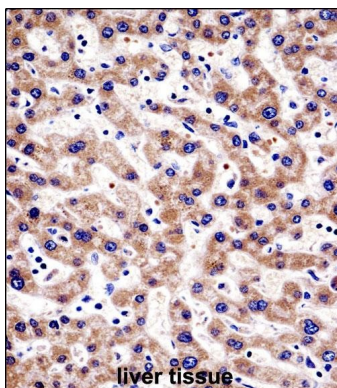
References

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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)

Images



HTATIP2 Antibody (N-term) (Cat. #AP14762a) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the HTATIP2 antibody detected the HTATIP2 protein (arrow).



HTATIP2 Antibody (N-term) (AP14762a) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of HTATIP2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Citations

- [A low serum Tat-interacting protein 30 level is a diagnostic and prognostic biomarker for hepatocellular carcinoma.](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.