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HTATIP2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14762a

Specification

HTATIP2 Antibody (N-term) - Product Information

Application	**IHC-P, WB,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**
Calculated MW	**27049**
Antigen Region	**45-74**

HTATIP2 Antibody (N-term) - 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
IHC-P~~1:10~50
WB~~1:1000
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.

HTATIP2 Antibody (N-term) - 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.

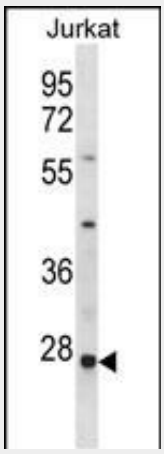
Tissue Location
High levels in liver, lung, skeletal muscle, pancreas and placenta (PubMed:9174052). Moderate levels in heart and kidney (PubMed:9174052). Low levels in brain (PubMed:9174052). Not expressed or low levels in variant small cell lung carcinomas, 33% of hepatocellular carcinomas and neuroblastomas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

HTATIP2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HTATIP2 Antibody (N-term) - 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).

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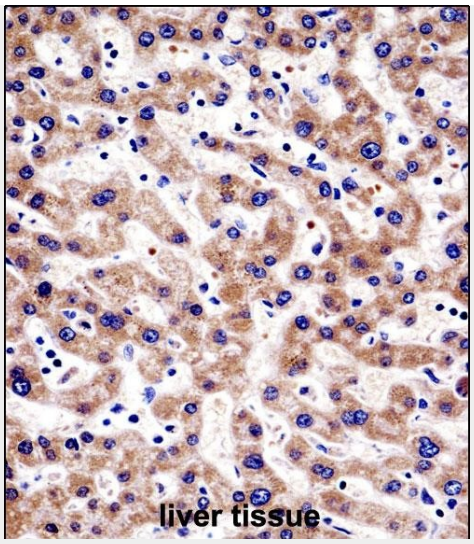

HTATIP2 Antibody (N-term) (AP14762a)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of HTATIP2 Antibody (N-term) for immunohistochemistry. Clinical relevance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

HTATIP2 Antibody (N-term) - Background

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.

HTATIP2 Antibody (N-term) - References

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)

HTATIP2 Antibody (N-term) - Citations

- A low serum Tat-interacting protein 30 level is a diagnostic and prognostic biomarker for hepatocellular carcinoma.