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TIP30 Rabbit pAb

Catalog # AP99060

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9BUP3
Other Accession	Q9BUP3
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27049
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TIP30
Epitope Specificity	142-242/242
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBUNIT	Monomer. Binds nuclear transport receptors XPO4, IPO5/RANBP5, IPO7, IPO9 and KPNB1 as well as GCN1L1/GCN1 and LRPPRC probably through their HEAT repeats. Binds NCOA5/CIA. Isoform 2 binds the proteasome subunit PSMD4/s5a through its N-terminus. Binds the activation domain of HIV-1 Tat.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. Tissue specificity: Ubiquitous. Highest level in liver. High levels in lung, skeletal muscle, pancreas and placenta. Moderate levels in heart and kidney. Low levels in brain.

Additional Information

Gene ID	10553
Other Names	CC3; SDR44U1; TIP30; HTAI2_HUMAN; HTATIP2; 30 kDa HIV-1 TAT-interacting protein; HIV-1 TAT-interactive protein 2; HTAI2_MOUSE; HIV-1 Tat interactive protein 2; HIV-1 Tat interactive protein 2, 30 kDa; HIV-1 Tat interactive protein 2, 30kDa; Tat-interacting protein (30kD); short chain dehydrogenase/reductase family 44U, member 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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).

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