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Product datasheet for TA809920AM

Transaldolase 1 (TALDO1) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI4A7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4A7
Applications:	WB
Recommended Dilution:	WB 1:500~2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human TALDO1 (NP_006746) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	37.4 kDa
Gene Name:	transaldolase 1
Database Link:	NP_006746 Entrez Gene 6888 Human P37837

View online »

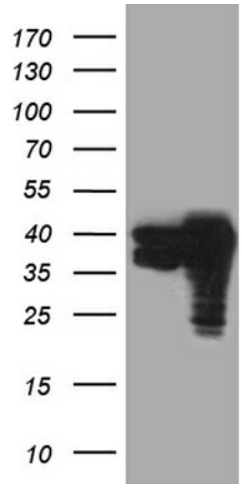
Background: Transaldolase 1 is a key enzyme of the nonoxidative pentose phosphate pathway providing ribose-5-phosphate for nucleic acid synthesis and NADPH for lipid biosynthesis. This pathway can also maintain glutathione at a reduced state and thus protect sulfhydryl groups and cellular integrity from oxygen radicals. The functional gene of transaldolase 1 is located on chromosome 11 and a pseudogene is identified on chromosome 1 but there are conflicting map locations. The second and third exon of this gene were developed by insertion of a retrotransposable element. This gene is thought to be involved in multiple sclerosis. [provided by RefSeq, Jul 2008]

Synonyms: TAL; TAL-H; TALDOR; TALH

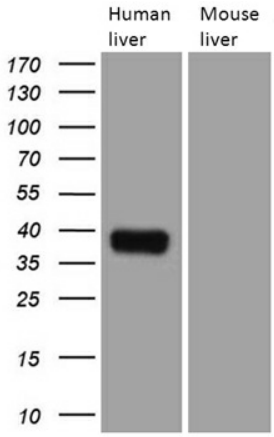
Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Pentose phosphate pathway

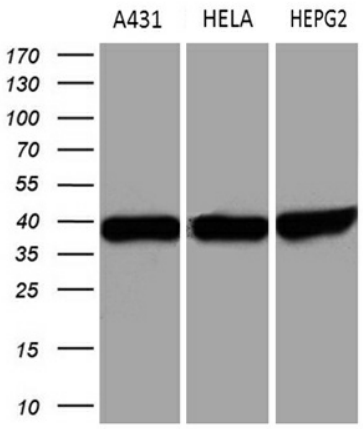
Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY TALDO1 ([RC204049], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TALDO1 (1:2000). Positive lysates [LY402020] (100ug) and [LC402020] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 2 different tissue lysates by using anti-TALDO1 monoclonal antibody (1:500).



Western blot analysis of extracts (35ug) from 3 different cell lines by using anti-TALDO1 monoclonal antibody (1:500).