

TALDO1 mouse monoclonal antibody (hybridoma)

Catalog # H00006888-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant TALDO1.
Immunogen	TALDO1 (NP_006746.1, 1 a.a. ~ 337 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSSSPVKRQRMESALDQLKQFTTVVADTGDFHAIDEYKPQDATNPSLILAAAQMPAYQELVEEA IAYGRKLGGSQEDQIKNAIDKLFVLFGAIEILKKIPGRVSTEVDARLSFDKDAMVARARRRIELYKEAG ISKDRILIKLSSTWEGIQAGKELEEQHGHCNMTLLFSFAQAVACAEAGVTLISPFVGRILDWHVANT DKKSYEPLDPGVKSVTKINYYKKFSYKTIVMGASFRNTGEIKALAGCDFLTISPKLLGELLQDNA KLVPVLSAKAAQASDLEKIHLEKSFRWLHNEDQMAVEKLSDGIRKFAADAVKLERMLTERMFN AENGK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (95)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — TALDO1

Entrez GeneID [6888](#)

GeneBank Accession# [NM_006755.1](#)

Protein Accession# [NP_006746.1](#)

Gene Name TALDO1

Gene Alias TAL, TAL-H, TALDOR, TALH

Gene Description transaldolase 1

Omim ID [602063 606003](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations dihydroxyacetone transferase|glycerone transferase

Pathway

- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Metabolic pathways](#)
- [Pentose phosphate pathway](#)

Disease

- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)