

ARG66467 anti-Transaldolase 1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Transaldolase 1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Transaldolase 1
Species	Human
Immunogen	Recombinant full length protein of Human Transaldolase 1.
Conjugation	Un-conjugated
Alternate Names	TALDOR; EC 2.2.1.2; TAL; TAL-H; TALH; Transaldolase

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:10 - 1:100
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

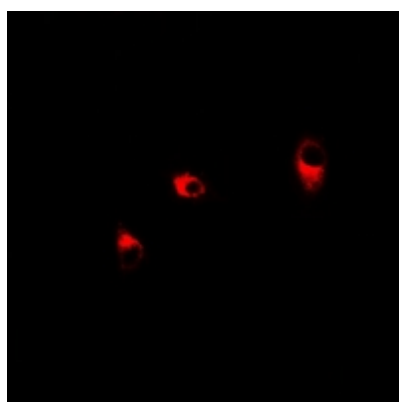
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

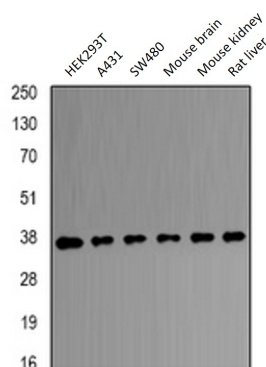
Gene Symbol	TALDO1
Gene Full Name	transaldolase 1
Background	Transaldolase 1 is a key enzyme of the nonoxidative pentose phosphate pathway providing ribose-5-phosphate for nucleic acid synthesis and NADPH for lipid biosynthesis. This pathway can also maintain glutathione at a reduced state and thus protect 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]
Function	Transaldolase is important for the balance of metabolites in the pentose-phosphate pathway. [UniProt]
Calculated Mw	38 kDa
Cellular Localization	Cytoplasm. [UniProt]

Images



ARG66467 anti-Transaldolase 1 antibody ICC/IF image

Immunofluorescence: Formalin-fixed HeLa cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were stained with ARG66467 anti-Transaldolase 1 antibody (red) in 3% BSA-PBS and incubated overnight at 4°C in a humidified chamber.



ARG66467 anti-Transaldolase 1 antibody WB image

Western blot: HEK293T, A431, SW480, Mouse brain, Mouse kidney and Rat liver whole cell lysates stained with ARG66467 anti-Transaldolase 1 antibody.