

## TALDO1

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**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:10 - 1:100

**Calculated MW:**37kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human TALDO1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

TAL; TALH; TAL-H; TALDOR;

**Catalog #:**A6762

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**6888

**Isotype:**IgG

**Swiss Prot:**P37837

**Purity:**Affinity purification

For research use only.

**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.

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