

## TALDO1 Antibody

Catalog No: #42784

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

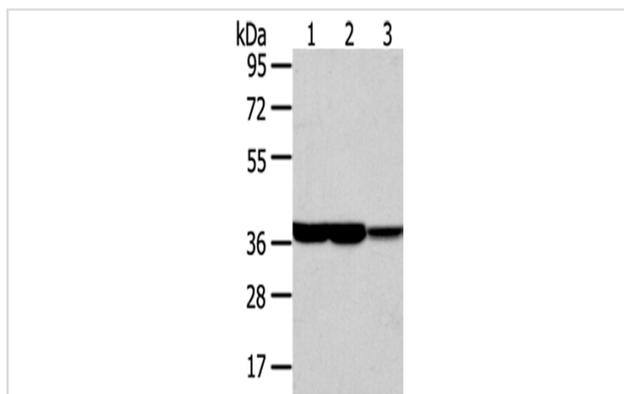
Product Name	TALDO1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total TALDO1 protein.
Immunogen Type	protein
Immunogen Description	Fusion protein of human TALDO1
Target Name	TALDO1
Other Names	TAL; TALH; TAL-H; TALDOR
Accession No.	Swiss-Prot#: P37837 Gene ID: 6888
Uniprot	P37837
GeneID	6888;
Calculated MW	38kd
Concentration	1.6mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

## Application Details

Western blotting: 1:500-1:2000

Immunohistochemistry: 1:25-1:100

## Images



Gel: 8%SDS-PAGE

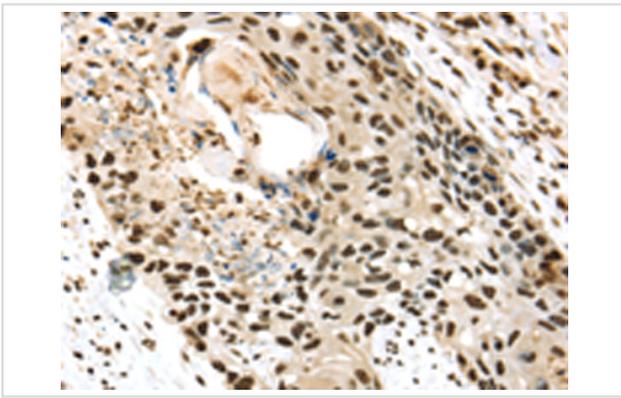
Lysate: 40 µg

Lane 1-3: Human fetal brain tissue, Human placenta tissue,  
Mouse brain tissue,

Primary antibody: 1/400 dilution

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 10 seconds



Immunohistochemical analysis of paraffin-embedded Human esophagus cancer tissue using #42784 at dilution 1/30,

## 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.

Note: This product is for in vitro research use only