

For Research Use Only

TALDO1 Monoclonal antibody

Catalog Number: 67816-1-Ig

Featured Product

1 Publications



Basic Information

Catalog Number: 67816-1-Ig	GenBank Accession Number: BC009680	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 472 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6888	CloneNo.: 2F5G3
Source: Mouse	Full Name: transaldolase 1	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000
Isotype: IgG1	Calculated MW: 337 aa, 38 kDa	
Immunogen Catalog Number: AG3031	Observed MW: 38 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : LNCaP cells, HEK-293 cells, HeLa cells, Jurkat cells, K-562 cells
Cited Applications: WB	IHC : human oesophagus cancer tissue, human prostate cancer tissue
Species Specificity: Human	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

TALDO1 belongs to the transaldolase family which contributes to the generation of NADPH in the nonoxidative phase of the pentose phosphate pathway (PPP). Defects in TALDO1 are the cause of transaldolase 1 deficiency which results in telangiectases of the skin, hepatosplenomegaly, and enlarged clitoris.

Notable Publications

Author	Pubmed ID	Journal	Application
Semira R. Ortiz	36276829	Front Nutr	WB

Storage

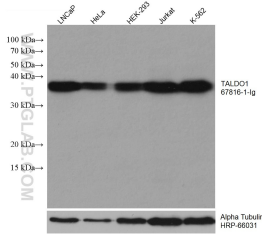
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

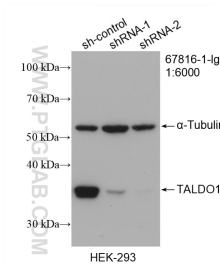
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

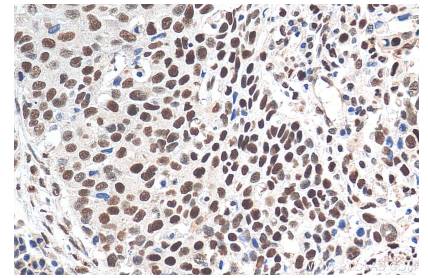
Selected Validation Data



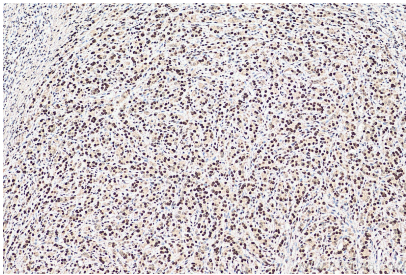
Various lysates were subjected to SDS PAGE followed by western blot with 67816-1-Ig (TALDO1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



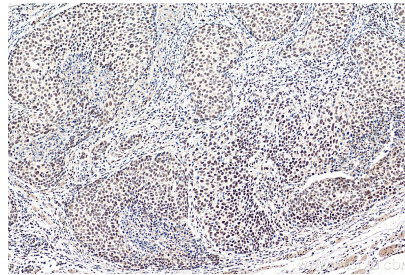
WB result of TALDO 1 antibody (67816-1-Ig; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TALDO1 transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 67816-1-Ig (TALDO1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 67816-1-Ig (TALDO1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 67816-1-Ig (TALDO1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).