

For Research Use Only

Transketolase Polyclonal antibody

Catalog Number: 11039-1-AP

Featured Product

20 Publications



Basic Information

Catalog Number: 11039-1-AP	GenBank Accession Number: BC009970	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 240 µg/ml by Nanodrop and 173 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7086	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:20-1:200 IF 1:10-1:100
Source: Rabbit	Full Name: transketolase	
Isotype: IgG	Calculated MW: 68 kDa	
Immunogen Catalog Number: AG1519	Observed MW: 68 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : Jurkat cells, rat liver tissue IHC : human lymphoma tissue, human liver tissue IF : BxPC-3 cells,
Cited Applications: IF, IHC, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	
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

Transketolase is a key pentose phosphate shunt enzyme that plays an important role in the production of reducing equivalents and pentose sugars. Decreased activity of transketolase has been found in patients with Alzheimer's disease and thiamine deficiency. In addition, as an important biocatalyst in stereo-specific carbon-carbon bond synthesis, transketolase has been widely used in industry to produce aromatic products.

Notable Publications

Author	Pubmed ID	Journal	Application
Semira R. Ortiz	36276829	Front Nutr	WB
Ronghui Yang	36396642	Nat Commun	WB
Xuqing Shen	35679751	Biochem Biophys Res Commun	WB, IHC

Storage

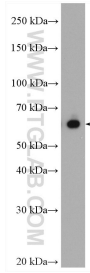
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

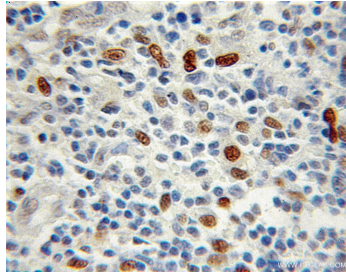
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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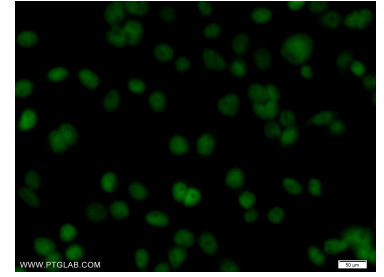
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 11039-1-AP (Transketolase antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lymphoma using 11039-1-AP (Transketolase antibody) at dilution of 1:100 (under 10x lens).



Immunofluorescent analysis of BxPC-3 cells using 11039-1-AP (Transketolase antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).