

For Research Use Only

Transketolase Polyclonal antibody

Catalog Number: 11039-1-AP

Featured Product

20 Publications



Basic Information

Catalog Number:

11039-1-AP

Size:

240 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1519

GenBank Accession Number:

BC009970

GeneID (NCBI):

7086

UNIPROT ID:

P29401

Full Name:

transketolase

Calculated MW:

68 kDa

Observed MW:

68 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:20-1:200

IF 1:10-1:100

Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Cited Applications:

WB, IF, IHC

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

Positive Controls:

WB : Jurkat cells, rat liver tissue

IHC : human lymphoma tissue, human liver tissue

IF : BxPC-3 cells,

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

For technical support and original validation data for this product please contact:

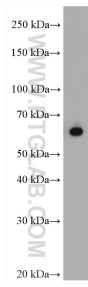
T: 4006900926

E: Proteintech-CN@ptglab.com

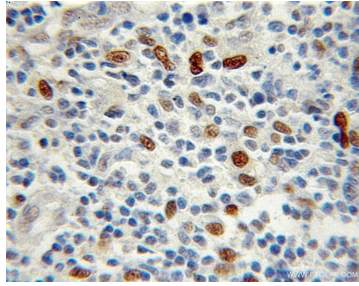
W: ptgcn.com

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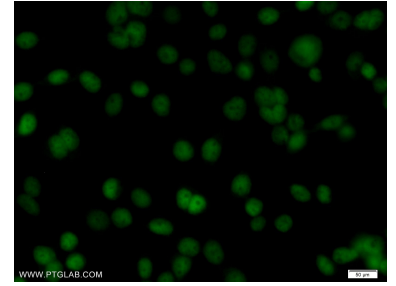
Selected Validation Data



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).