

Transketolase Polyclonal Antibody

Catalog number: 11039-1-AP

Size: 26 µg/150 µl

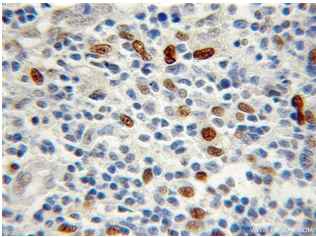
Source: Rabbit

Isotype: IgG

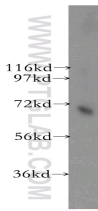
Synonyms:

TKT; TK, TKT, TKT1,

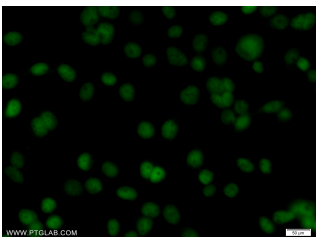
transketolase



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



human brain tissue were subjected to SDS PAGE followed by western blot with 11039-1-AP(TKT antibody) at dilution of 1:300



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

Background

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.

Applications

Tested applications:	ELISA, WB, IHC, IF
Cited applications:	IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse
Calculated Transketolase MW:	68 kDa
Observed Transketolase MW:	68 kDa
Positive WB detected in	Human brain tissue, BxPC-3 cells, HEK-293 cells, human kidney tissue, Jurkat cells, MCF7 cells, mouse brain tissue
Positive IHC detected in	Human lymphoma tissue, human liver tissue
Positive IF detected in	BxPC-3 cells
Recommended dilution:	WB: 1:200-1:2000
	IHC: 1:20-1:200
	IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1519
GenBank accession number:	BC009970
Gene ID (NCBI):	7086
Full name:	Transketolase

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.