

## Anti -Transketolase Rabbit pAb

GB111303 100µL -20°C

### Product Information

<b>Description</b>	Transketolase rabbit polyclonal antibody
<b>Protein full name</b>	Transketolase
<b>Synonyms</b>	TK, P68, Tkt, chloroplasic [Malus domestica], chloroplasic
<b>Immunogen</b>	KLH conjugated Synthetic peptide corresponding to Mouse Transketolase
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purification
<b>Subcellular location</b>	Nucleus, Cytoplasm
<b>Predicted MW.</b>	68 kDa
<b>Observed MW.</b>	70 kDa
<b>Uniprot ID</b>	P29401, P40142, P50137

### Applications

Applications	Species	Dilution	Positive Sample
WB	Human, Mouse, Rat	1: 500-1: 1000	kidney, brain
IHC/IF	Human, Mouse, Rat	1: 500-1: 2000	brain, breast cancer, colon, kidney, lung, stomach, testis

### Background

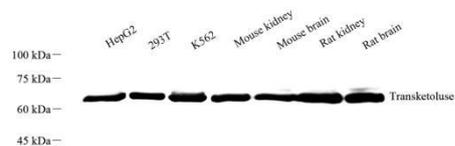
Transketolase is a key pentose phosphate shunt enzyme that plays an important role in the production of reducing equivalents and pentose sugars. Decreased activity of transketolase has been found in patients with Alzheimer' s disease and thiamine deficiency. In addition, as an important biocatalyst in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

### Storage

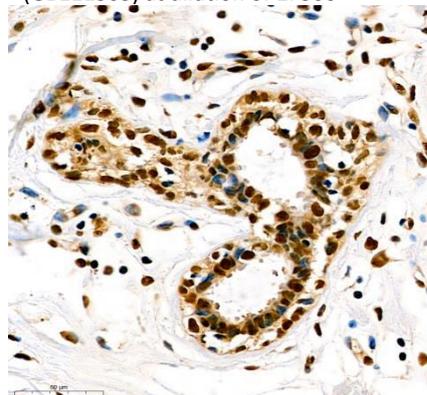
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
<b>Storage Buffer</b>	PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

**NOTE:** 1.This product is intended for research only.  
2.This product is recommended to dilute with the Primary Antibody Dilution Buffer.

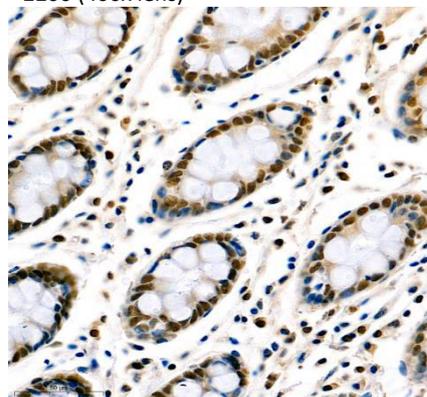
### Images



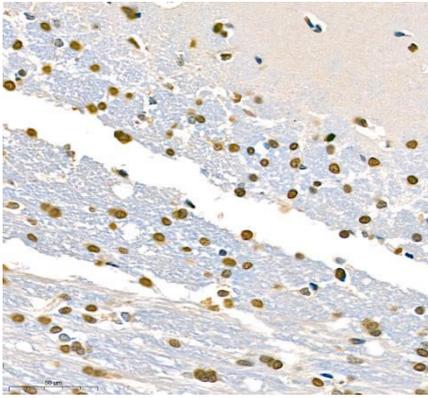
Western blot analysis of Transketolase (GB111303) at dilution of 1: 500



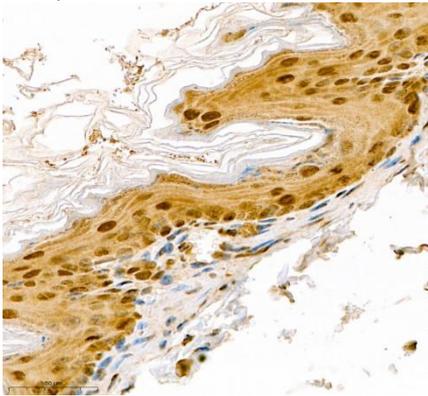
Immunohistochemistry of paraffin embedded human breast cancer using Transketolase (GB111303) at dilution of 1: 2200 (400x lens)



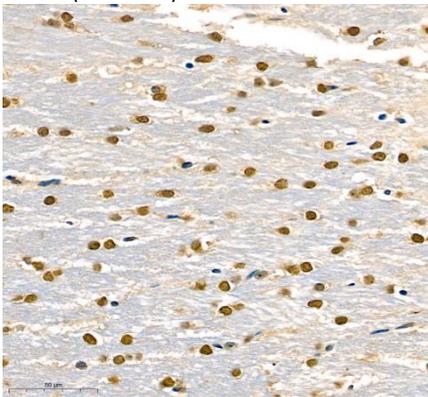
Immunohistochemistry of paraffin embedded human colon using Transketolase (GB111303) at dilution of 1: 2200 (400x lens)



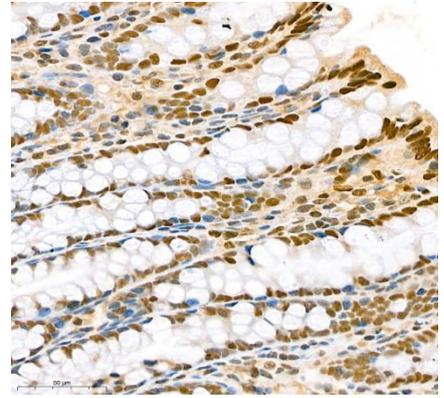
Immunohistochemistry of paraffin embedded mouse brain using Transketolase (GB111303) at dilution of 1: 2200 (400x lens)



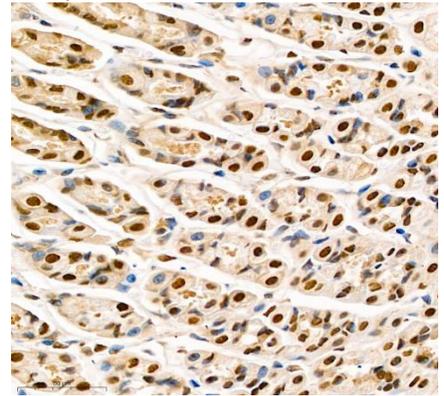
Immunohistochemistry of paraffin embedded mouse stomach using Transketolase (GB111303) at dilution of 1: 2200 (400x lens)



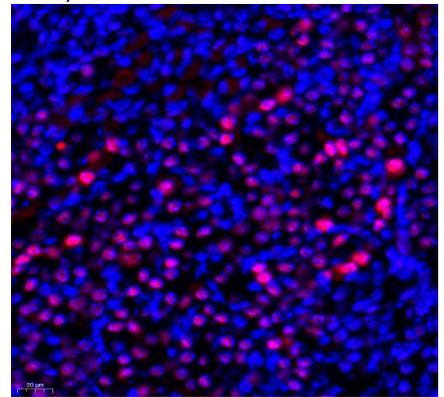
Immunohistochemistry of paraffin embedded rat brain using Transketolase (GB111303) at dilution of 1: 2200 (400x lens)



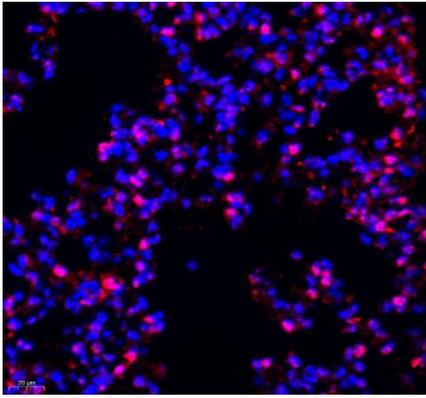
Immunohistochemistry of paraffin embedded rat colon using Transketolase (GB111303) at dilution of 1: 2200 (400x lens)



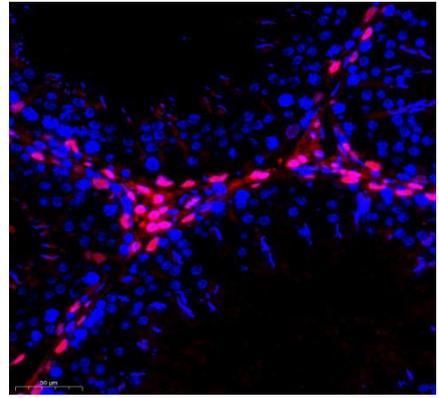
Immunohistochemistry of paraffin embedded rat stomach using Transketolase (GB111303) at dilution of 1: 2200 (400x lens)



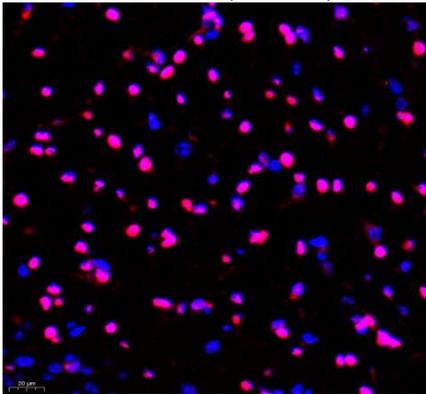
Immunofluorescence of paraffin embedded mouse kidney using Transketolase (GB111303) at dilution of 1: 1100 (400x lens)



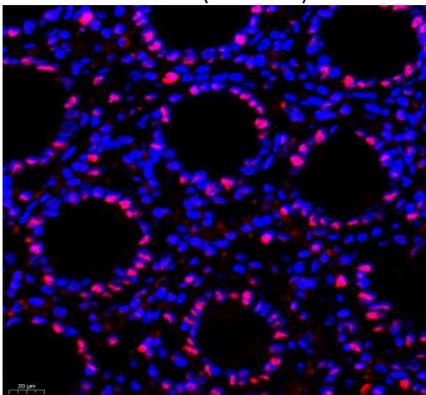
Immunofluorescence of paraffin embedded mouse lung using Transketolase (GB111303) at dilution of 1: 1100 (400x lens)



Immunofluorescence of paraffin embedded rat testis using Transketolase (GB111303) at dilution of 1: 1100 (300x lens)



Immunofluorescence of paraffin embedded rat brain using Transketolase (GB111303) at dilution of 1: 1100 (400x lens)



Immunofluorescence of paraffin embedded rat colon using Transketolase (GB111303) at dilution of 1: 1100 (400x lens)