

ARG45424 anti-TKT antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TKT
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TKT
Species	Human
Immunogen	Recombinant protein containing to human TKT.
Conjugation	Un-conjugated
Alternate Names	TKT; EC 2.2.1.1; HEL107; TK; TKT1; Transketolase

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	4 µg/ml
	IHC-P	0.5-1 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	68 kDa	

Properties

Form	Powder
Purification	Affinity purified
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.01% Sodium azide and 4% Trehalose.
Preservative	0.01% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

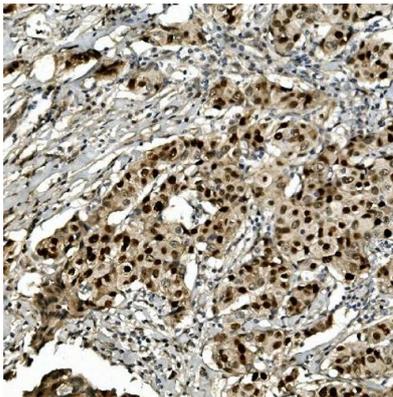
before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

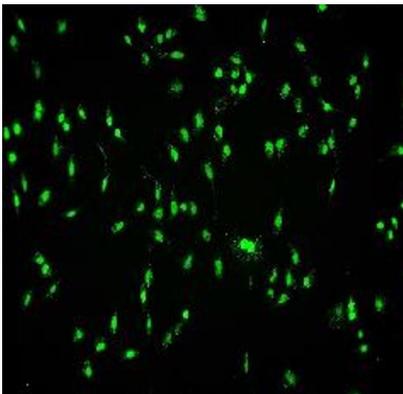
Gene Symbol	TKT
Gene Full Name	transketolase
Background	This gene encodes a thiamine-dependent enzyme which plays a role in the channeling of excess sugar phosphates to glycolysis in the pentose phosphate pathway. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Apr 2012]
Function	Catalyzes the transfer of a two-carbon ketol group from a ketose donor to an aldose acceptor, via a covalent intermediate with the cofactor thiamine pyrophosphate. [UniProt]. [UniProt]
Calculated Mw	68 kDa
PTM	Acetylation; Isopeptide bond; Phosphoprotein; Ubl conjugation. [UniProt]
Cellular Localization	cytosol; nuclear body; nucleoplasm; peroxisome vesicle. [UniProt]

Images



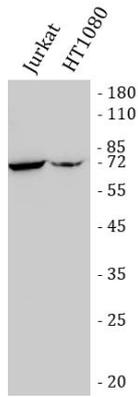
ARG45424 anti-TKT antibody IHC-P image

Immunohistochemistry: Human mammary cancer stained with ARG45424 anti-TKT antibody at 1 µg/ml dilution.



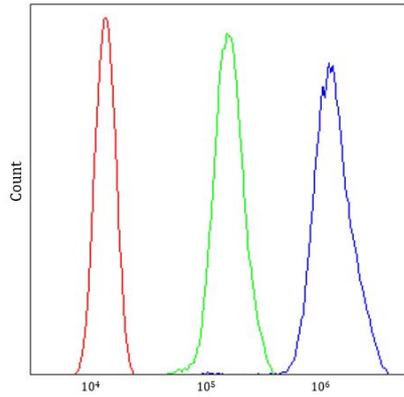
ARG45424 anti-TKT antibody ICC/IF image

Immunofluorescence: A549 stained with ARG45424 anti-TKT antibody at 4 µg/ml dilution.



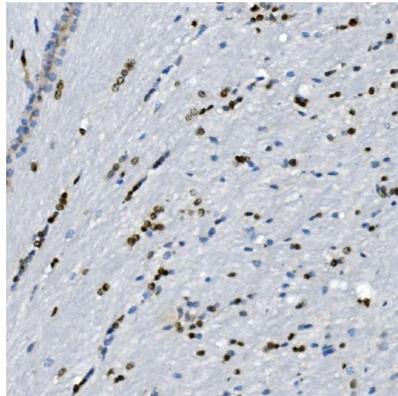
ARG45424 anti-TKT antibody WB image

Western blot: Jurkat and HT1080 stained with ARG45424 anti-TKT antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.



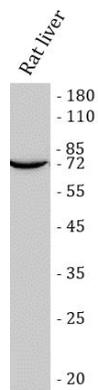
ARG45424 anti-TKT antibody FACS image

Flow Cytometry: THP-1 stained with ARG45424 anti-TKT antibody at 1 $\mu\text{g}/10^6$ cells dilution.



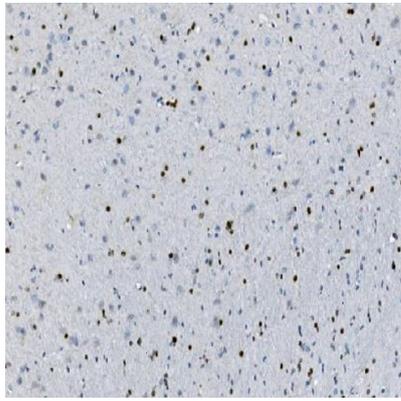
ARG45424 anti-TKT antibody IHC-P image

Immunohistochemistry: Rat brain stained with ARG45424 anti-TKT antibody at 1 $\mu\text{g}/\text{ml}$ dilution.



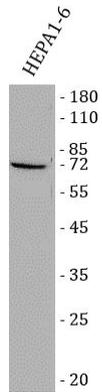
ARG45424 anti-TKT antibody WB image

Western blot: Rat liver stained with ARG45424 anti-TKT antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.



ARG45424 anti-TKT antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG45424 anti-TKT antibody at 1 $\mu\text{g}/\text{ml}$ dilution.



ARG45424 anti-TKT antibody WB image

Western blot: HEPA1-6 stained with ARG45424 anti-TKT antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.