

Rabbit anti-Human, Rat TXK Polyclonal Antibody | anti-TXK antibody

TXK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA233307	Rabbit	Human, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

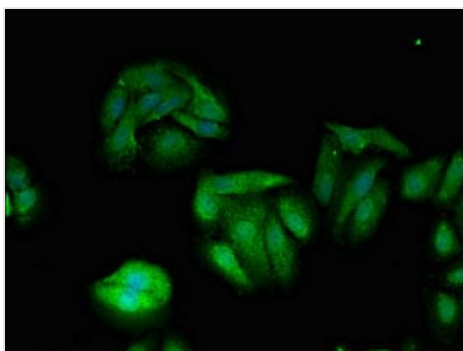
PRODUCT SYNONYMS

TXK; Polyclonal Antibody; TXK Antibody; Tyrosine-protein kinase TXK (EC 2.7.10.2) (Protein-tyrosine kinase 4) (Resting lymphocyte kinase); PTK4 RLK; anti-TXK antibody

PRODUCT SPECIFICATIONS

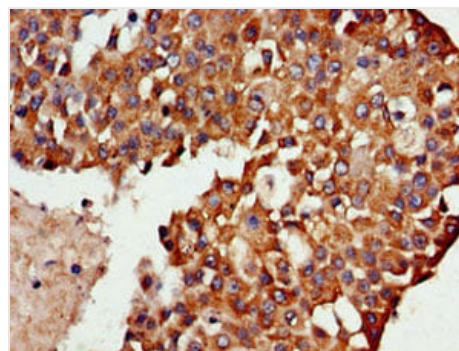
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Applicable Applications for anti-TXK antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Tyrosine-protein kinase TXK protein (32-83AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Species	Human
Research Area	Immunology
Target Names	TXK
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

IMAGES



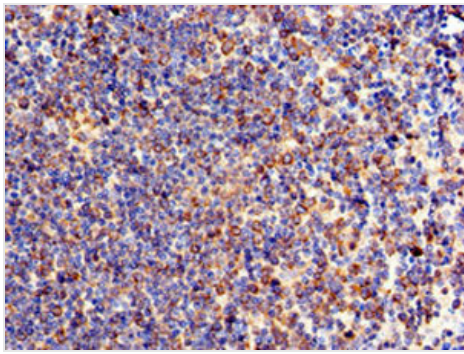
IF (Immunofluorescence)

Immunofluorescent analysis of HepG2 cells using AAA233307 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

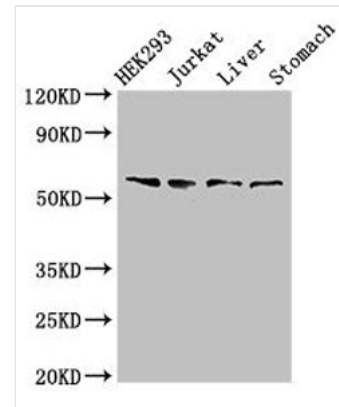


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast cancer using AAA233307 at dilution of 1:100



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human lymph node tissue using AAA233307 at dilution of 1:100



WB (Western Blot)
Western Blot Positive WB detected in: HEK293 whole cell lysate, Jurkat whole cell lysate, Rat liver tissue, Rat stomach tissue. All lanes: TXK antibody at 3ug/ml. Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 62 kDa. Observed band size: 62 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TXK antibody

Non-receptor tyrosine kinase that plays a redundant role with ITK in regulation of the adaptive immune response. Regulates the development, function and differentiation of conventional T-cells and nonconventional NKT-cells. When antigen presenting cells (APC) activate T-cell receptor (TCR), a series of phosphorylation lead to the recruitment of TXK to the cell membrane, where it is phosphorylated at Tyr-420. Phosphorylation leads to TXK full activation. Contributes also to signaling from many receptors and participates in multiple downstream pathways, including regulation of the actin cytoskeleton. Like ITK, can phosphorylate PLCG1, leading to its localization in lipid rafts and activation, followed by subsequent cleavage of its substrates. In turn, the endoplasmic reticulum releases calcium in the cytoplasm and the nuclear activator of activated T-cells (NFAT) translocates into the nucleus to perform its transcriptional duty. With PARP1 and EEF1A1, TXK forms a complex that acts as a T-helper 1 (Th1) cell-specific transcription factor and binds the promoter of IFNG to directly regulate its transcription, and is thus involved importantly in Th1 cytokine production. Phosphorylates both PARP1 and EEF1A1. Phosphorylates also key sites in LCP2 leading to the up-regulation of Th1 preferred cytokine IL-2. Phosphorylates 'Tyr-201' of CTLA4 which leads to the association of PI-3 kinase with the CTLA4 receptor.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148596974
NCBI GeneID	7294
NCBI Accession #	NP_003319.2
NCBI GenBank Nucleotide #	NM_003328.2
UniProt Accession #	P42681 ; Q14220
NCBI Official Full Name	tyrosine-protein kinase TXK
NCBI Official Synonym Full Names	TXK tyrosine kinase
NCBI Official Symbol	TXK
NCBI Official Synonym Symbols	RLK; TKL; BTKL; PTK4; PSCTK5
NCBI Protein Information	tyrosine-protein kinase TXK
UniProt Protein Name	Tyrosine-protein kinase TXK
UniProt Gene Name	TXK
UniProt Synonym Gene Names	PTK4; RLK

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

