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Datasheet for ABIN7174077 anti-TXK antibody (AA 32-83) (Biotin)



Overview

Quantity:	100 µg
Target:	ТХК
Binding Specificity:	AA 32-83
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TXK antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Tyrosine-protein kinase TXK protein (32-83AA)
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	ТХК
Alternative Name:	TXK (TXK Products)
Background:	Background: 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

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	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.
	Aliases: BTKL antibody, EC 2.7.10.2 antibody, MGC22473 antibody, Protein-tyrosine kinase 4
	antibody, PSCTK5 antibody, PTK4 antibody, Resting lymphocyte kinase antibody, RLK antibody,
	TKL antibody, TXK antibody, TXK tyrosine kinase antibody, TXK_HUMAN antibody, Tyrosine
	protein kinase TXK antibody, Tyrosine-protein kinase TXK antibody
UniProt:	P42681
Pathways:	Regulation of Leukocyte Mediated Immunity, Hepatitis C

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Handling

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Storage Comment:

Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

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