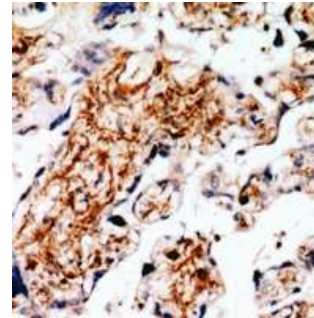


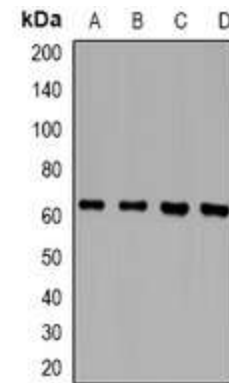
## Anti-TXK Antibody

<b>CATALOG NO:</b>	A1203-100
<b>ALTERNATIVE NAMES:</b>	PTK4; RLK; Tyrosine-protein kinase TXK; Protein-tyrosine kinase 4; Resting lymphocyte kinase
<b>AMOUNT:</b>	100 µl
<b>IMMUNOGEN:</b>	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human TXK
<b>HOST/ISOTYPE:</b>	Rabbit IgG
<b>CLONALITY:</b>	Polyclonal
<b>SPECIFICITY:</b>	Recognizes endogenous levels of TXK protein
<b>SPECIES REACTIVITY:</b>	Human, Mouse and Rat
<b>PURIFICATION:</b>	The antibody was purified by affinity chromatography
<b>FORM:</b>	Liquid
<b>FORMULATION:</b>	Supplied in 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide
<b>STORAGE CONDITIONS:</b>	Shipped at 4°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
<b>DESCRIPTION:</b>	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.
<b>APPLICATION:</b>	WB; 1:500 – 1:2000, IHC; 1:50 – 1:200

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user.



Immunohistochemical analysis of RLK staining in human placenta formalin fixed paraffin embedded tissue section.



Western blot analysis of RLK expression in Jurkat (A); THP1 (B); mouse spleen (C); rat spleen (D) whole cell lysates

### RELATED PRODUCTS:

- PPAR gamma Antibody (Cat. No. 3809-100)
- DNMT1 Antibody (Cat. No. 3946-100)
- KLF4 Antibody (4G6E11) (Cat. No. 5300-100)
- NIF1 Antibody (Cat. No. 3737-100)

**FOR RESEARCH USE ONLY! Not to be used on humans.**