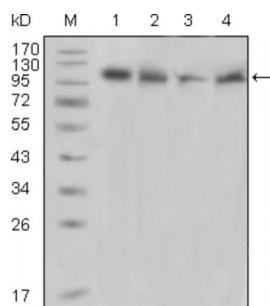


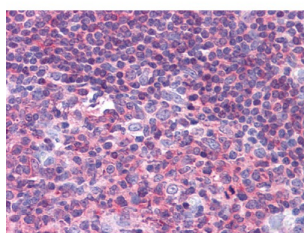
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Protein-Tyrosine Kinase 2-Beta (PYK2) Antibody

Catalogue No.: abx016050



Western blot analysis using PYK2 antibody against Raji (1), PMA induced THP-1 (2), Jurkat (3) and Ramos (4) cell lysate.



Immunohistochemical analysis of paraffin-embedded human Tonsil tissues using PYK2 antibody.

PYK2: PTK2B protein tyrosine kinase 2 beta, also known as PTK2B, PKB, PTK, CAKB, FAK2, FRNK. Entrez Protein NP_004094. It is a cytoplasmic protein tyrosine kinase which is involved in calcium-induced regulation of ion channels and activation of the map kinase signaling pathway. The encoded protein may represent an important signaling intermediate between neuropeptide-activated receptors or neurotransmitters that increase calcium flux and the downstream signals that regulate neuronal activity. The encoded protein undergoes rapid tyrosine phosphorylation and activation in response to increases in the intracellular calcium concentration, nicotinic acetylcholine receptor activation, membrane depolarization, or protein kinase C activation. This protein has been shown to bind CRK-associated substrate, nephrocystin, GTPase regulator associated with FAK, and the SH2 domain of GRB2. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Four transcript variants encoding two different isoforms have been found for this gene.

Target:	PYK2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Tested Applications:	ELISA, WB, IHC

Recommended dilutions: ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

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Immunogen:	Purified recombinant fragment of PYK2 (aa815-997) expressed in E. coli.
Purification:	Unpurified Ascites.
Isotype:	IgG _{2a}
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
Molecular Weight:	115.8 kDa
Swiss Prot:	Q14289
GeneID:	2185
Gene Symbol:	PTK2B
OMIM:	601212
HGNC:	9612
Ensembl:	ENSG00000120899
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Note:	This product is for research use only.