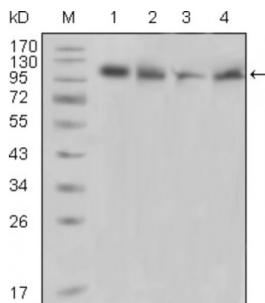
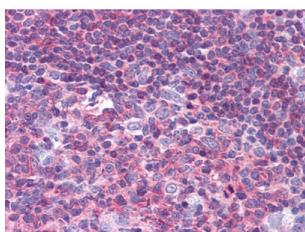


Protein-Tyrosine Kinase 2-Beta (PYK2) Antibody

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.