

## PYK2 (4B4) Mouse mAb

db6398

Package : 50µL 100µL

**Product Name** : PYK2 (4B4) Mouse mAb**Cat.No.:** db6398**Synonyms** : PKB; PTK; CAKB; FAK2; FRNK; PTK2B**Application** : WB, IHC-P**Reactivity** : Human**Host species** : Mouse**Background**

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.

**Immunogen**

Purified recombinant fragment of PYK2 (aa815-997) expressed in E. Coli

**Gene ID**

2185

**Swiss Prot**

Q14289

**Synonyms**

PKB; PTK; CAKB; FAK2; FRNK; PTK2B

**Reactivity**

Human

**Application**

WB, IHC-P

**Recommended dilution**

WB: 1:500-1:1000

IHC: 1:50-1:100

**Calculated MW**

116 kDa

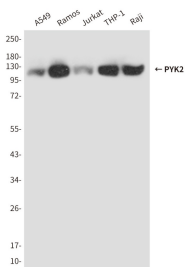
**Observed MW**

116 kDa

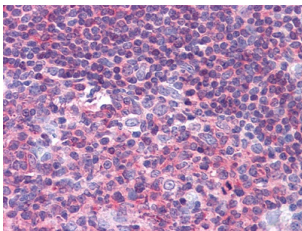
**Host species**

Mouse

Clonality	Monoclonal
Clonality No.	4B4-D0-F3
Isotype	IgG2a
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



Western blot analysis of Pyk2 in A549, Ramos, Jurkat, THP-1 and Raji lysates using Pyk2 antibody.



Immunohistochemistry analysis of paraffin-embedded Human Tonsil tissues using PYK2 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.