

Mouse anti-Human PYK2 Monoclonal Antibody | anti-PYK2 antibody

PYK2 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320209	Mouse	Human	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PYK2; Monoclonal Antibody; PYK2 Monoclonal Antibody; Protein-tyrosine kinase 2-beta; PTK2B; FAK2; RAFTK; Calcium-dependent tyrosine kinase; CADTK; Calcium-regulated non-receptor proline-rich tyrosine kinase; Cell adhesion kinase beta; CAK-beta; CAKB; Focal adhesion kinase 2; FADK 2; Pro; anti-PYK2 antibody

PRODUCT SPECIFICATIONS

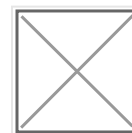
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	PYK2 Monoclonal Antibody detects endogenous levels of PYK2 protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Applicable Applications for anti-PYK2 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of PYK2 (aa815-997) expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human Tonsil tissues with AEC staining using PYK2 Monoclonal Antibody.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-PYK2 antibody	This gene encodes 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 t
Product Categories/Family for anti-PYK2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	27886584
NCBI GeneID	2185
NCBI Accession #	NP_004094.3
NCBI GenBank Nucleotide #	NM_004103.4
UniProt Accession #	Q14289; Q13475; Q14290; Q16709; Q6PID4; D3DST0
Molecular Weight	115,875 Da
NCBI Official Full Name	protein-tyrosine kinase 2-beta isoform a
NCBI Official Synonym Full Names	protein tyrosine kinase 2 beta
NCBI Official Symbol	PTK2B
NCBI Official Synonym Symbols	PKB; PTK; CAKB; FAK2; PYK2; CADTK; FADK2; RAFTK
NCBI Protein Information	protein-tyrosine kinase 2-beta; FADK 2; CAK-beta; protein kinase B; focal adhesion kinase 2; cell adhesion kinase beta; proline-rich tyrosine kinase 2; calcium-dependent tyrosine kinase; PTK2B protein tyrosine kinase 2 beta; related adhesion focal tyrosin
UniProt Protein Name	Protein-tyrosine kinase 2-beta
UniProt Gene Name	PTK2B
UniProt Synonym Gene Names	FAK2; PYK2; RAFTK; CADTK; CAK-beta; CAKB; FADK 2; RAFTK
UniProt Entry Name	FAK2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pyk2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/320209>