
PYK2 (5E2D) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 252776

Unit: 0.1 ml

Description:

PYK2 (PTK2B protein tyrosine kinase 2 beta) is a cytoplasmic protein tyrosine kinase. It is involved in calcium-induced regulation of ion channels and activation of the map kinase signaling pathway. PYK2 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. This protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies.

Isotype: Mouse IgG2a

Applications: WB

Species Reactivity: H

Format: Each vial contains 0.1 ml ascitic fluid with 0.03% sodium azide.

Alternate Names: Protein-tyrosine kinase 2-beta; 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; Proline-rich tyrosine kinase 2; Related adhesion focal tyrosine kinase RAFTK; FAK2; PYK2; RAFTK ;PTK2B;

Accession No.: Q14289

Antigen: Purified recombinant fragment of PYK2(aa815-997) expressed in E. coli.

Application Notes: WB: 1:500-1:2000;

Storage: Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.