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# **Recombinant PYK2 Monoclonal Antibody**

catalog number: AN300636L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### Description

Reactivity Human; Mouse; Rat

Immunogen Recombinant Human PYK2 protein

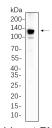
HostRabbitIsotypeIgG,κCloneB571PurificationProtein A

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

WB 1:2000-1:10000

#### Data



Western Blot with Recombinant PYK2 Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: Raji cell lysate.

Observed-MW:116 kDa Calculated-MW:116 kDa

## **Preparation & Storage**

Storage Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

## **Background**

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.