PYK2 Antibody (YA682)

Cat. No.:	HY-P80877
Synonyms:	PYK2 Antibody (YA682) is a non-conjugated and Mouse origined monoclonal antibody about 116 kDa, targeting to PYK2 (4B4). It can be used for WB,IHC-P assays with tag free, in the background of Human.
Host:	Mouse
Reactivity:	Human
Conjugation:	Non-conjugated
SwissProt ID:	Q14289
Research Field:	Signal Transduction
Molecular Weight:	Predicted band size: 116 kDa

PROPERTIES

Formulation	Supplied in 1*PBS (pH 7.3), 50% glycerol and 0.5% BSA. Preservative: 0.02% sodium azide.
Purity	affinity purified
Storage & Stability	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Appearance	Liquid

Application & Dilution Ratio

Application	Dilution Ratio
WB	1:500-1:1,000
IHC	1:50-1:100

Shipping	Shipping with blue ice.

DESCRIPTION

Background	PYK2 (4B4): 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 to kinases from other subfamilies. Four transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Caution: Product has not been fully validated for medical applications. For research use only.

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