

Recombinant

DGRmAb®

**PYK2 (DGR11406) Rabbit mAb (PBS Only)**

db16002-PBS

Package : 10µg 100µg

**Product Name** : PYK2 (DGR11406) Rabbit mAb (PBS Only)**Cat.No.:** db16002-PBS**Synonyms** : PKB; PTK; CAKB; FAK2; PYK2; CADTK; FADK2; RAFTK**Application** : WB, IHC-P, ICC/IF**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**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. 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]

**Immunogen**

A synthetic peptide of human PYK2

**Gene ID**

2185

**Swiss Prot**

Q14289

**Synonyms**

PKB; PTK; CAKB; FAK2; PYK2; CADTK; FADK2; RAFTK

**Reactivity**

Human,Mouse,Rat

**Application**

WB, IHC-P, ICC/IF

**Calculated MW**

116 kDa

**Observed MW**

116 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

<b>Clonality No.</b>	DGR11406
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Concentration</b>	1 mg/mL
<b>Formulation</b>	PBS Only
<b>Storage Stability</b>	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.

Western blot analysis of extracts from Mouse brain tissue using [db16002](#) at 1:1000.

