

Recombinant

DGRmAb®

## PYK2 (DGR33446) Rabbit mAb

db12378

Package : 10µL 20µL 50µL 100µL

**Product Name** : PYK2 (DGR33446) Rabbit mAb**Cat.No.:** db12378**Synonyms** : PKB; PTK; CAKB; FAK2; PYK2; CADTK; FADK2; RAFTK**Application** : WB, IHC-P**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

**Recommended dilution**WB: 1:1000  
IHC-P: 1:100-1:200**Calculated MW**

116 kDa

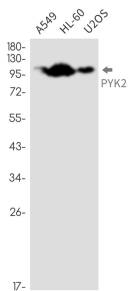
**Observed MW**

116 kDa

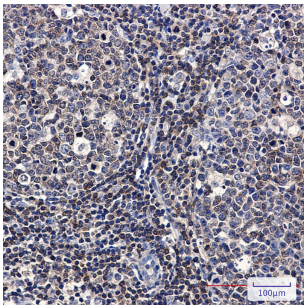
**Host species**

Rabbit

|                   |   |
|-------------------|---|
| Clonality         | Monoclonal  |
| Clonality No.     | DGR33446  |
| Isotype           | IgG   |
| Purity            | Affinity Purification   |
| Conjugation       | Un-conjugated   |
| Storage Stability | Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt. |



Western blot detection of PYK2 in A549,HL-60,U2OS cell lysates using PYK2 antibody(1:1000 diluted).



Immunohistochemical analysis of paraffin-embedded human tonsil using db12378 antibody.