

Pyk2(Ab-402) Antibody

Catalog No: #21209



Package Size: #21209-1 50ul #21209-2 100ul #21209-4 25ul

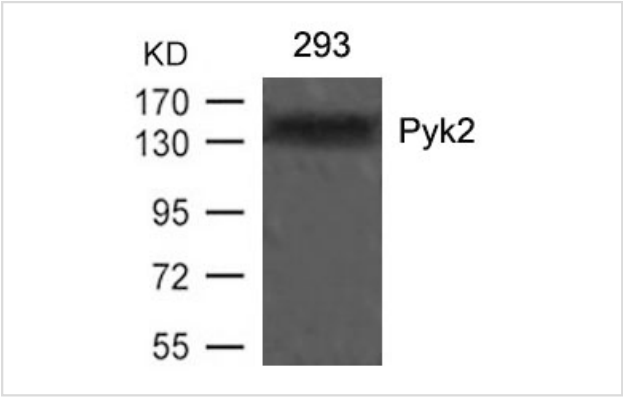
Overview

Product Name	Pyk2(Ab-402) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	Pyk2
Alternative Names	FADK 2; FAK2; Focal adhesion kinase 2; PTK2B; Proline-rich tyrosine kinase 2 RAFTK

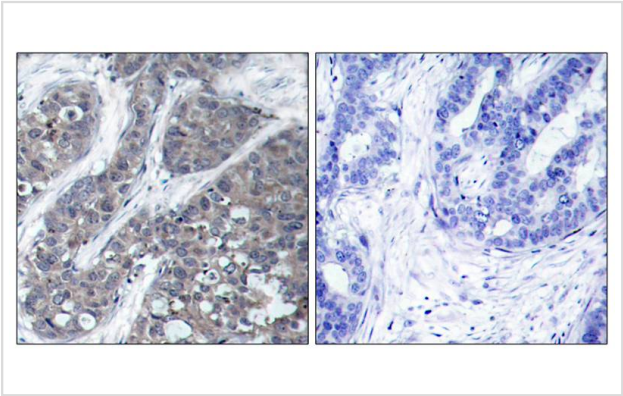
Application Details

Predicted MW: 140kd
Western blotting: 1:500~1:1000
Immunohistochemistry: 1:50~1:100
Immunofluorescence: 1:100~1:200

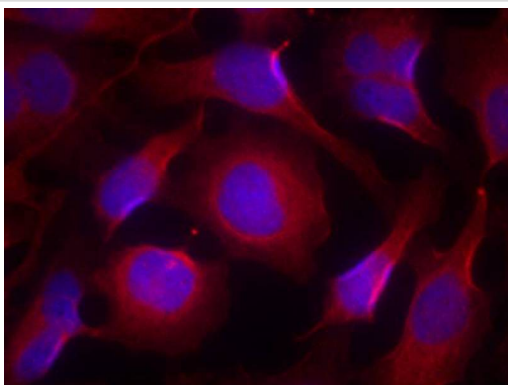
Images



Western blot analysis of extracts from 293 cells using Pyk2(Ab-402) Antibody #21209.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Pyk2(Ab-402) Antibody #21209(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using Pyk2(Ab-402) Antibody #21209.

Descriptions

Immunogen	Peptide sequence around aa.400~404 (D-I-Y-A-E) derived from Human Pyk2.
Specificity	The antibody detects endogenous level of total Pyk2 protein.
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: Q14289NCBI Protein: NP_004094.3

Related Information

Involved in calcium induced regulation of ion channel and activation of the map kinase signaling pathway. May represent an important signaling intermediate between neuropeptide activated receptors or neurotransmitters that increase calcium flux and the downstream signals that regulate neuronal activity. Interacts with the SH2 domain of Grb2. May phosphorylate the voltage-gated potassium channel protein Kv1.2. Its activation is highly correlated with the stimulation of c-Jun N-terminal kinase activity. Involved in osmotic stress-dependent SNCA 'Tyr-125' phosphorylation.

Gluck SL, et al. (2004) J Clin Invest; 114(12): 1696-1699

Benzing T, et al. (2001) Proc Natl Acad Sci U S A; 98(17): 9784-9789

Tian D, et al. (2002) Mol Cell Biol; 22(8): 2650-2662

Lu Z, et al. (2001) Mol Cell Biol; 21(12): 4016-4031

Krishnan HH, et al. (2006) J Virol; 80(3): 1167-1180

Published Papers

Rui-Fang Liu, Xiao Xu, Jian Huang et al., Down-regulation of miR-517a and miR-517c promotes proliferation of hepatocellular carcinoma cells via targeting Pyk2, Cancer Letters, 329:164B~C173(2013)

[PMID:23142219](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.