Datasheet for ABIN745778

anti-PTK2B antibody (pTyr881)

1 Image

Go to Product page

Overview

Quantity:	100 µL
Target:	PTK2B
Binding Specificity:	pTyr881
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTK2B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human Pyk2 around the phosphorylation site of Tyr881
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	PTK2B

Target Details

Alternative Name:	Pyk2 (PTK2B Products)
Background:	Synonyms: CADTK, CAK beta , CAKB antibody, CAKbeta, Calcium dependent tyrosine kinase, Calcium-dependent tyrosine kinase, Cell adhesion kinase beta, E430023O05Rik, EC 2.7.10.2, FADK 2, FADK2, FAK 2, FAK1, FAK2, Focal Adhesion Kinase 2, MGC124628, PKB, pp125FAK, Proline Rich Tyrosine Kinase 2, Proline-rich tyrosine kinase 2, Protein kinase B, Protein Tyrosine Kinase 2 Beta, PTK 2B, PTK antibody PTK2B, PTK2B protein tyrosine kinase 2 beta, PYK 2, PYK2, RAFTK, Related adhesion focal tyrosine kinase. Background: PYK2 is involved in calcium induced regulation of ion channel and activation of the map kinase signaling pathway. PKY2 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. PYK2 activation is highly correlated with the stimulation of c-Jun N-terminal kinase activity.
Gene ID:	2185
Pathways:	EGFR Signaling Pathway, Regulation of Actin Filament Polymerization, Carbohydrate Homeostasis, Glycosaminoglycan Metabolic Process, Cellular Glucan Metabolic Process, Cell-Cell Junction Organization, Regulation of Cell Size, Regulation of Carbohydrate Metabolic Process, Hepatitis C, Protein targeting to Nucleus, CXCR4-mediated Signaling Events, Signaling Events mediated by VEGFR1 and VEGFR2, Signaling of Hepatocyte Growth Factor Receptor, Positive Regulation of fat Cell Differentiation, VEGF Signaling

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

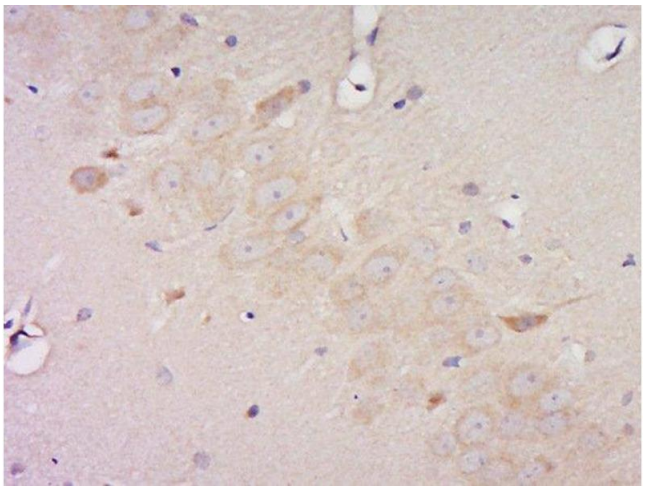
Handling

Format:	Liquid

Handling

Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded rat brain tissue, Antigen retrieval by boiling in sodium citrate buffer(pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-Pyk2 (Tyr881) Polyclonal Antibody, Unconjugated at 1:500 overnight at 4°C, followed by a conjugated secondary and DAB staining