

Datasheet for ABIN2791666
anti-FAK antibody (Middle Region)



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3 Images

Overview

Quantity:	100 µL
Target:	FAK (PTK2)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio), Dog, Cow, Rabbit, Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FAK antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of Human PTK2
Sequence:	SEKQGMRTHA VSVSETDDYA EIIDEEDTYT MPSTRDYEQ RER IELGRC
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against PTK2. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	FAK (PTK2)
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Target Details

Alternative Name:	PTK2 (PTK2 Products)
Background:	This gene encodes a cytoplasmic protein tyrosine kinase which is found concentrated in the focal adhesions that form between cells growing in the presence of extracellular matrix constituents. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Activation of this gene may be an important early step in cell growth and intracellular signal transduction pathways triggered in response to certain neural peptides or to cell interactions with the extracellular matrix. Several transcript variants encoding different isoforms have been found for this gene, but the full-length natures of only three of them have been determined. Protein Interaction Partner: DEF6, SOCS3, YES1, IQGAP1, UBE2H, UBC, TRIM72, SRPK1, PXN, PTRH2, SAE1, HSP90AA1, APP, RBSN, BCAR1, KCNJ3, PTAFR, STAT1, CBL, STAP2, STUB1, PTPN11, PPP1CB, PPP1CA, SRC, CTTN, ASAP1, SH3KBP1, PDCD6IP, ITGB5, ELAVL1, DAG1, GRB2, FBP1, F13A1, EEF1G, LPXN, TG Protein Size: 431
Molecular Weight:	47 kDa
Gene ID:	5747
Pathways:	Response to Growth Hormone Stimulus , CXCR4-mediated Signaling Events , Smooth Muscle Cell Migration , Signaling of Hepatocyte Growth Factor Receptor , VEGF Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

90 kDa__

65 kDa__

40 kDa__

29 kDa__

22 kDa__



Host: Rabbit

Target Name: Ptk2

Sample Type: Mouse Brain Lysate

Antibody Dilution: 1.0µg/ml

Western Blotting

Image 1. Host: Mouse Target Name: PTK2 Sample Tissue: Mouse Brain Antibody Dilution: 1ug/ml

90 kDa__

65 kDa__

40 kDa__

29 kDa__

22 kDa__



Host: Rabbit

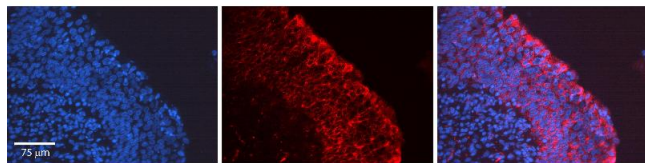
Target Name: PTK2

Sample Tissue: HepG2 Cell Lysate

Antibody Dilution: 1.0µg/ml

Western Blotting

Image 2. Host: Rabbit Target Name: PTK2 Sample Type: HepG2 Whole Cell lysates Antibody Dilution: 1.0ug/ml



Immunohistochemistry

Image 3. Rabbit Anti-PTK2 Antibody Catalog Number: ARP70875_P050 Formalin Fixed Paraffin Embedded Tissue: Human Urinary Bladder Tissue Observed Staining: Plasma membrane, Cytoplasm Primary Antibody Concentration: 1:100 Other Working Concentrations: N/A Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec