Datasheet for ABIN6146423

anti-FAK antibody (AA 700-800)

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Overview

Quantity:	100 µL
Target:	FAK (PTK2)
Binding Specificity:	AA 700-800
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FAK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 700-800 of human FAK (NP_722560.1).
Sequence:	TVSWDSGGSD EAPPKPSRPG YPSPRSSEGF YPSPQHMVQT NHYQVSGYPG SHGITAMAGS IYPGQASLLD QTDSWNHRPQ EIAMWQPNVE DSTVLDLRGI G
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

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.,FADK,FAK,FAK1,FRNK,PPP1R71,p125FAK,pp125FAK,PTK2,Cancer,Signal Transduction,G protein signaling,G2/M DNA Damage Checkpoint,Kinase,Tyrosine kinases,PI3K-Akt Signaling Pathway,ErbB-HER Signaling Pathway,MAPK-Erk Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Cytoskeleton,Actins,Extracellular Matrix,Immunology & Inflammation,Cardiovascular,Angiogenesis,PTK2
Molecular Weight:	39 kDa/48 kDa/63 kDa/99 kDa/114 kDa/119 kDa/120 kDa
Gene ID:	5747
UniProt:	Q05397
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:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200,IP,1:50 - 1:100
Restrictions:	For Research Use only

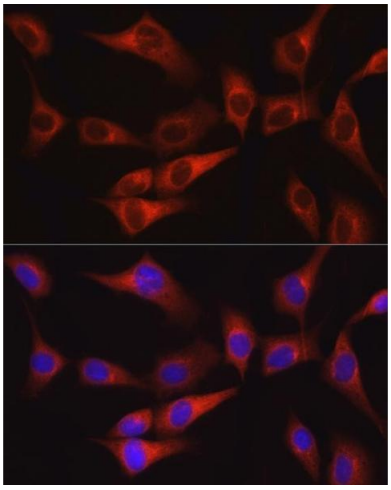
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Publications

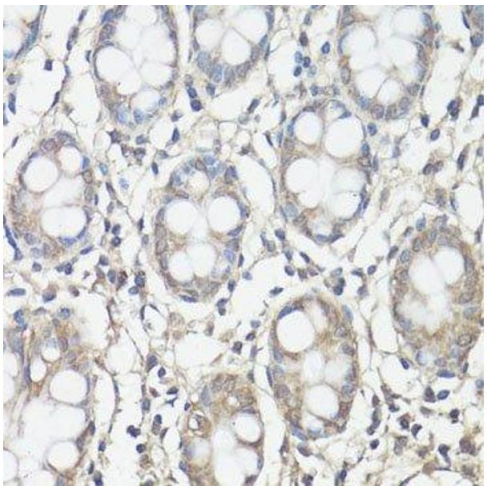
Product cited in: Zang, Fan, Chen, Huang, Qin: "Improvement of Lipid and Glucose Metabolism by Capsiate in Palmitic Acid-Treated HepG2 Cells via Activation of the AMPK/SIRT1 Signaling Pathway." in: **Journal of agricultural and food chemistry**, Vol. 66, Issue 26, pp. 6772-6781, (2018) (PubMed).

Images



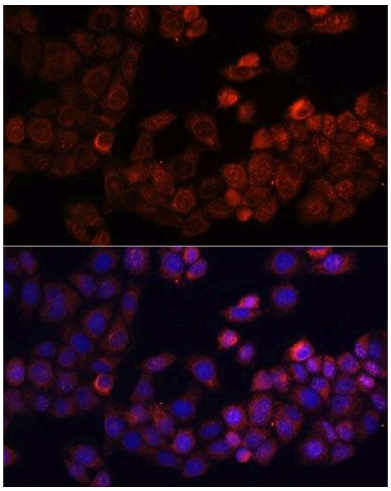
Immunofluorescence

Image 1. Immunofluorescence analysis of NIH/3T3 cells using FAK Rabbit pAb (ABIN6134667, ABIN6146423, ABIN6146425 and ABIN6215105) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded human colon using PTK2 antibody.



Immunofluorescence

Image 3. Immunofluorescence analysis of HeLa cells using PTK2 antibody.

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Images

Please check the product details page for more images. Overall 7 images are available for ABIN6146423.

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