

Datasheet for ABIN711056
anti-FAK antibody (pSer722)

3 Images

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Overview

Quantity:	100 µL
Target:	FAK (PTK2)
Binding Specificity:	pSer722
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FAK 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 FAK around the phosphorylation site of Ser722
Isotype:	IgG
Specificity:	Recognizes Ser760 in mice
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	FAK (PTK2)
Alternative Name:	Fak (PTK2 Products)
Background:	<p>Synonyms: FAK, FADK, FAK1, FRNK, PPP1R71, p125FAK, pp125FAK, Focal adhesion kinase 1, FADK 1, Focal adhesion kinase-related nonkinase, Protein phosphatase 1 regulatory subunit 71, Protein-tyrosine kinase 2, PTK2</p> <p>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. [provided by RefSeq, Dec 2010]</p>
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 1:300-5000 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

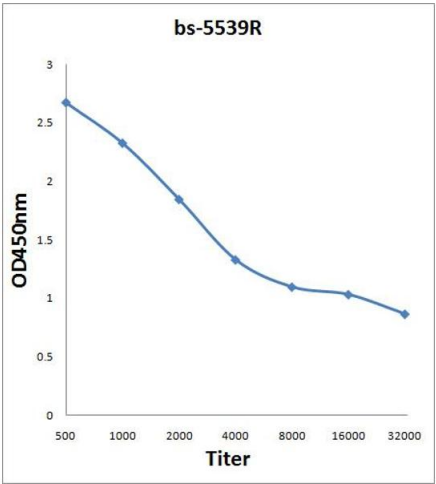
Handling

Format:	Liquid
Concentration:	1 µg/µL

Handling

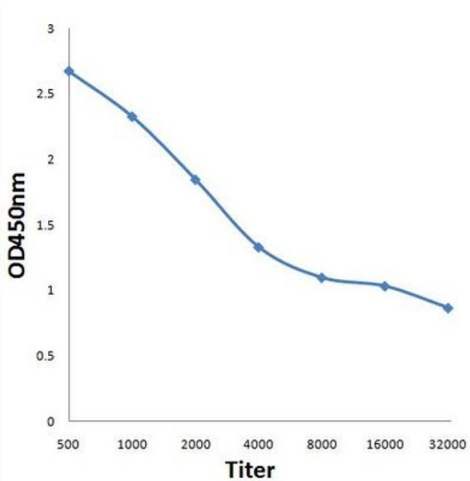
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C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

Images



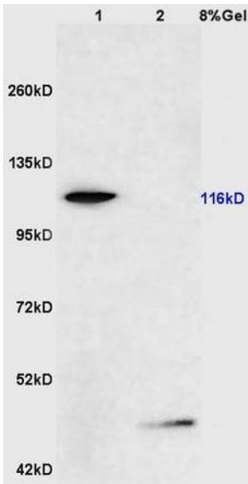
ELISA

Image 1. Antigen: 0.2 µg/100 µL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1: 5000; TMB staining; Read the data in MicroplateReader by 450



ELISA

Image 2. Antigen: 0.2ug/100ul, Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000, Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1: 5000, TMB staining, Read the data in MicroplateReader by 450nm



SDS-PAGE

Image 3. Lane 1: mouse testis lysates Lane 2: mouse pancreas lysates probed with Anti phospho-FAK(Ser722) Polyclonal Antibody, Unconjugated (ABIN711056) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 116kD. Observed band size: 116kD.