

FAK(Ab-925) Antibody

Catalog No: #21148

Package Size: #21148-1 50ul #21148-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	FAK(Ab-925) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total FAK protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.923~927 (K-V-Y-E-N) derived from Human FAK.
Conjugates	Unconjugated
Target Name	FAK
Other Names	FADK 1; FAK1; PTK2
Accession No.	Swiss-Prot: Q05397NCBI Protein: NP_005598.3
Concentration	1.0mg/ml
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.

Application Details

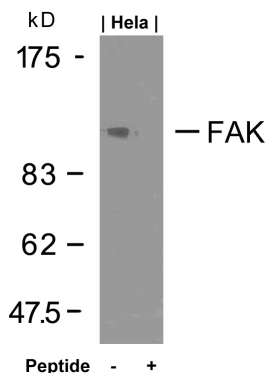
Predicted MW: 125kd

Western blotting: 1:500~1:1000

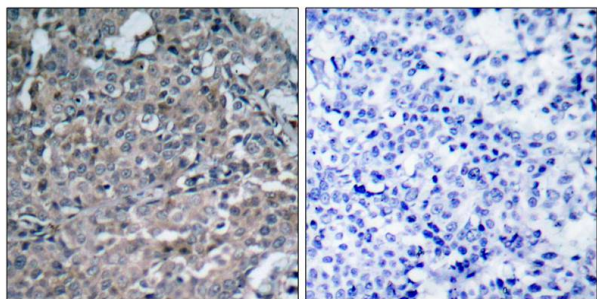
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

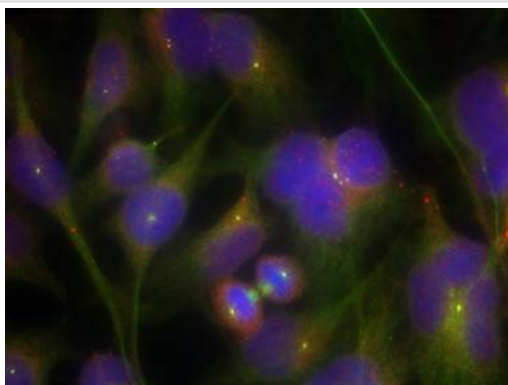
Images



Western blot analysis of extracts from HeLa cells using FAK(Ab-925) Antibody #21148 and the same antibody preincubated with blocking peptide.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using FAK(Ab-925) Antibody #21148(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using FAK(Ab-925) Antibody #21148.

Background

Non-receptor protein-tyrosine kinase implicated in signaling pathways involved in cell motility, proliferation and apoptosis. Activated by tyrosine-phosphorylation in response to either integrin clustering induced by cell adhesion or antibody cross-linking, or via G-protein coupled receptor (GPCR) occupancy by ligands such as bombesin or lysophosphatidic acid, or via LDL receptor occupancy. Plays a potential role in oncogenic transformations resulting in increased kinase activity.

Sanders MA, et al. (2005) J Biol Chem; 280(25): 23516-22.

Cherubini A, et al. (2005) Mol Biol Cell; 16(6): 2972-83.

Toriumi Y, et al. (2003) FEBS Lett; 553(3): 419-22.

Shi Q, et al. (2003) Mol Biol Cell; 14(10): 4306-15.

Published Papers

el at., PTBP3 contributes to the metastasis of gastric cancer by mediating CAV1 alternative splicing.In Cell Death Dis.On 2018 May 1 by PMID: 29752441 , , (2018)

[PMID:29752441](#)

el at., Lipid raft regulates the initial spreading of melanoma A375 cells by modulating ϵ -Y1 integrin clustering. In Int J Biochem Cell Biol on 2013 Aug by Ruifei Wang, Jiajia Bi,et

al..PMID: 23665237, , (2013)

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el at., FOXQ1 Promotes Cancer Metastasis by PI3K/AKT Signaling Regulation in Colorectal Carcinoma.In Am J Transl Res on 2017 May 15 by Jia Yun Liu, Xiao Yu Wu,et al..PMID: 28559972, , (2017)

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el at., RGD and (β) -epigallocatechin-3-gallate modification enhanced biostability, bioactive and biofunctionality of acellular porcine cornea stroma crosslinked with oxidized dextran, , (2024)

[PMID:](#)

Byun Youngro;Hwang Hae Hyun;Jeong Hee Jeong;Kim Sung Wan;Lee Dong Yun;Okano Teruo;Yun Sangwu el at., Anticancer Effect of

Heparin-Taurocholate Conjugate on Orthotopically Induced Exocrine and Endocrine Pancreatic Cancer, , (2021)

[PMID:34830928](#)

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