Product Datasheet

FAK(Ab-925) Antibody

Catalog No: #21148

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

Orders: order@signalwayantibody.com
Support: 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.
Target Name	FAK
Other Names	FADK 1; FAK1; PTK2
Accession No.	Swiss-Prot: Q05397NCBI Protein: NP_005598.3
Uniprot	Q05397
GeneID	5747;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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

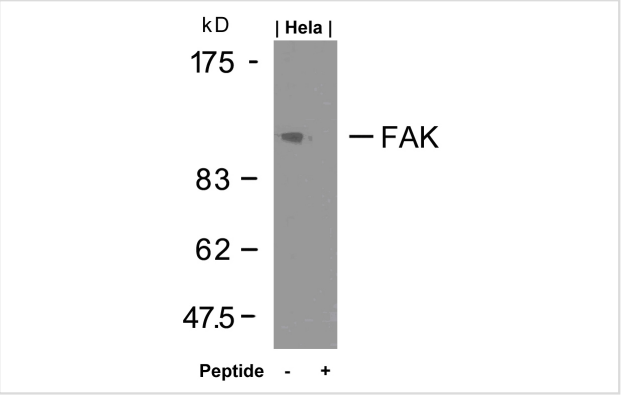
Predicted MW: 125kd

Western blotting: 1:500~1:1000

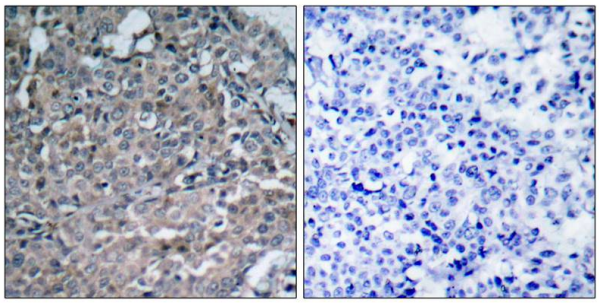
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

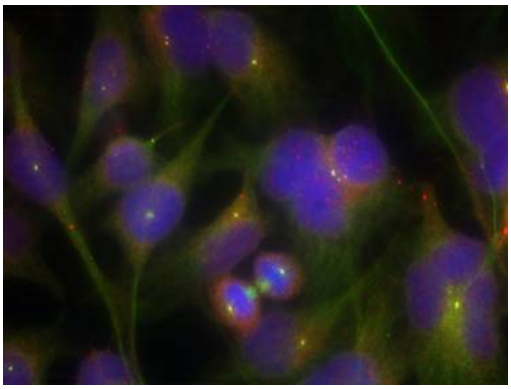
Images



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.

Note: This product is for in vitro research use only