

Rabbit FAK Polyclonal Antibody | anti-FAK antibody

Phospho-FAK (Tyr397) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31067	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

FAK; Polyclonal Antibody; Phospho-FAK (Tyr397) Antibody; FADK 1; FADK; FAK related non kinase polypeptide; FAK1; FAK1_HUMAN; Focal adhesion kinase 1; Focal adhesion Kinase; Focal adhesion kinase isoform FAK Del33; Focal adhesion kinase related nonkinase; FRNK; p125FAK; pp125FAK; PPP1R71; Protein phosphatase 1 regulatory subunit 71; Protein tyrosine kinase 2; Protein-tyrosine kinase 2; Ptk2; PTK2 protein tyrosine kinase 2; anti-FAK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho-and non-phospho-peptide affinity columns.
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	1065
Applicable Applications for anti-FAK antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:500-1:2000 IHC: 1:100-1:500 IF/ICC: 1:100-1:500 *The optimal dilutions should be determined by the end user. IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.
Immunogen	A synthesized peptide derived from human FAK around the phosphorylation site of Tyrosine 397
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of FAK phosphorylation expression in EGF treated 293 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA31067 staining NIH-3T3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



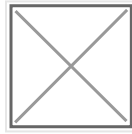
IHC (Immunohistochemistry)

AAA31067 at 1/100 staining Human liver cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary Ab at 4°C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.



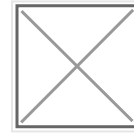
IHC (Immunohistochemistry)

AAA31067 at 1/200 staining Rat ganstric tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IHC (Immunohistochemistry)

AAA31067 at 1/200 staining Rat ganstric tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IHC (Immunohistochemistry)

AAA31067 at 1/200 staining Rat kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

References

Zhang W, Zhou P, Meng A, Zhang R, Zhou Y; Journal: J Cell Mol Med. Down-regulating Myoferlin inhibits the vasculogenic mimicry of melanoma via decreasing MMP-2 and inducing mesenchymal-to-epithelial transition. Huang YX, Song H, Tao Y, Shao XB, Zeng XS, Xu XL, Qi JL, Sun JF; Journal: PLoS One. Ovostatin 2 knockdown significantly inhibits the growth, migration, and tumorigenicity of cutaneous malignant melanoma cells. Wu D, Huang CJ, Jiao XF, Ding ZM, Zhang JY, Chen F, Wang YS, Li X, Huo LJ; Journal: Oncotarget. Olaquinox disrupts tight junction integrity and cytoskeleton architecture in mouse Sertoli cells.

NCBI AND UNIPROT INFORMATION

NCBI GI #	313851044
NCBI GeneID	5747
NCBI Accession #	NP_001186578.1
NCBI GenBank Nucleotide #	NM_001199649.1
UniProt Accession #	Q05397; Q14291; Q8IYN9; Q9UD85; B4E2N6; F5H4S4; J3QT16
Molecular Weight	119kDa
NCBI Official Full Name	focal adhesion kinase 1 isoform c
NCBI Official Synonym Full Names	protein tyrosine kinase 2
NCBI Official Symbol	PTK2
NCBI Official Synonym Symbols	FAK; FADK; FAK1; FRNK; PPP1R71; p125FAK; pp125FAK
NCBI Protein Information	focal adhesion kinase 1
UniProt Protein Name	Focal adhesion kinase 1
UniProt Gene Name	PTK2
UniProt Synonym Gene Names	FAK; FAK1; FADK 1; FRNK; PPP1R71

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/fak-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/31067>