Anti-Phospho-FAK (Tyr925) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015938

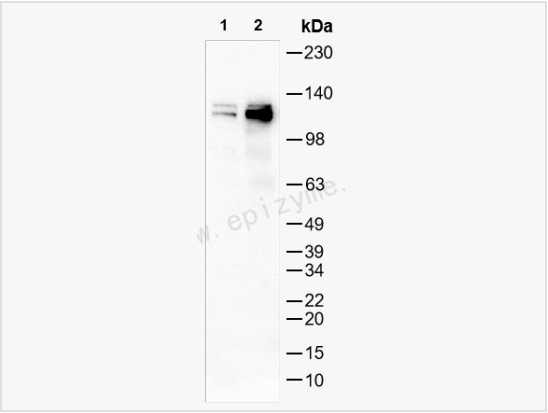
Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	61J98N61
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Tyr925 of human FAK
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-FAK (Tyr925) Rabbit mAb [61J98N61] is for research use only and not for use in diagnostic or therapeutic procedures.

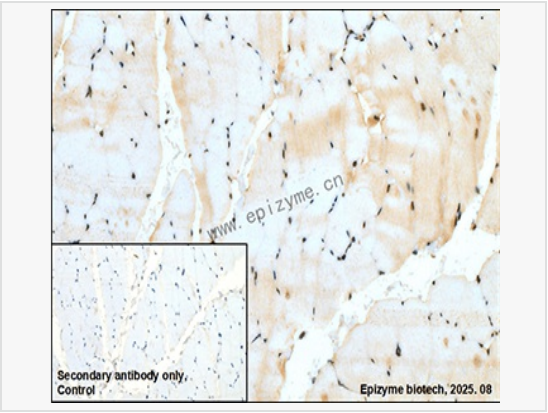
Protein Information

Synonyms	FAK; FAK1; PTK2; Focal adhesion kinase 1; FADK 1; Focal adhesion kinase-related nonkinase; Protein phosphatase 1 regulatory subunit 71; Protein-tyrosine kinase 2; p125FAK; pp125FAK; FRNK; PPP1R71.
Calculated MW	Calculated MW: 119 kDa; Observed MW: 119 kDa
Uniprot ID	Q05397
Gene ID	5747
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. [provided by RefSeq, Jun 2017]
Cellular Location	Cell junction.Focal adhesion.Cell membrane.Peripheral membrane protein.Cytoplasmic side.Cytoplasm.Perinuclear region.Cytoplasm.Cell cortex.Cytoplasm.Cytoskeleton.Cytoplasm.Cytoskeleton.Microtubule organizing center.Centrosome.Nucleus.Cytoplasm.Cytoskeleton.Cilium basal body.Cytoplasm.Constituent of focal adhesions. Detected at microtubules.
Tissue Location	Detected in B and T-lymphocytes. Isoform 1 and isoform 6 are detected in lung fibroblasts (at protein level). Ubiquitous.

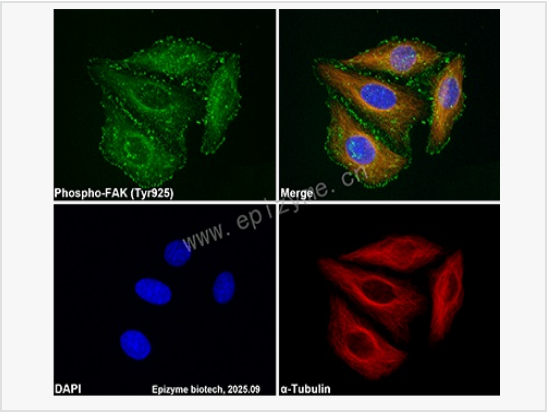
Validation Images



Western Blot - Anti-Phospho-FAK (Tyr925) Rabbit mAb [61J98N61]
All lanes: R015938 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 119 kDa
Observed band size: 119 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Phospho-FAK (Tyr925) Rabbit mAb [61J98N61]
Sample: Paraformaldehyde-fixed, paraffin embedded rat muscle tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015938 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-Phospho-FAK (Tyr925) Rabbit mAb [61J98N61]
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R015938 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).