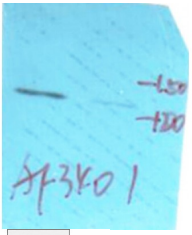
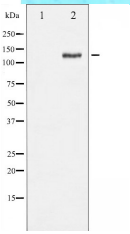
Phospho-FAK (Ser843) Ab

Cat.#: AF3401	Concn.: 1mg/ml	Mol.Wt.: 120kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:500-1:2000, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-FAK (Ser843) Ab detects endogenous levels of FAK only when phosphorylated at Serine 843.
Immunogen:	A synthesized peptide derived from human FAK around the phosphorylation site of Serine 843.
Uniprot:	Q05397
Description:	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.
Subcellular Location:	Cell junction > focal adhesion. Cell membrane. Constituent of focal adhesions.
Tissue Specificity:	Detected in B and T-lymphocytes. Isoform 1 and isoform 6 are detected in lung fibroblasts (at protein level). Ubiquitous.
Similarity:	The Pro-rich regions interact with the SH3 domain of CAS family members, such as BCAR1 and NEDD9, and with the GTPase activating protein ARHGAP26.The carboxy-terminal region is the site of focal adhesion targeting (FAT) sequence which mediates the localization of FAK1 to focal adhesions.Belongs to the protein kinase superfamily. Tyr protein kinase family. FAK subfamily.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis of Phospho-FAK (Ser843) Ab expression in PMA treated HepG2 cells lysates.The lane on the right is treated with the antigen-specific peptide.



Western blot analysis of FAK phosphorylation expression in PMA treated HepG2 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.

AF3401 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°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.