

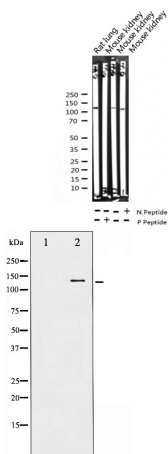
Phospho-p130 Cas (Tyr410) Ab

Cat.#: AF3350
Size: 100ul,200ul

Concn.: 1mg/ml
Source: Rabbit

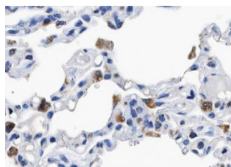
Mol.Wt.: 130kDa
Clonality: Polyclonal

Application:	WB 1:500-1:2000 IHC 1:50-1:200, 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-p130 Cas (Tyr410) Ab detects endogenous levels of p130 Cas only when phosphorylated at Tyrosine 410.
Immunogen:	A synthesized peptide derived from human p130 Cas around the phosphorylation site of Tyrosine 410.
Uniprot:	P56945
Description:	a docking protein containing multiple protein-protein interaction domains. Plays a central coordinating role for tyrosine-kinase-based signaling related to cell adhesion. Implicated in induction of cell migration.
Subcellular Location:	Cell junction, focal adhesion. Cytoplasm. Unphosphorylated form localizes in the cytoplasm and can move to the membrane upon tyrosine phosphorylation.
Tissue Specificity:	Widely expressed with an abundant expression in the testis. Low level of expression seen in the liver, thymus, and peripheral blood leukocytes. The protein has been detected in a B-cell line.
Similarity:	Contains a central domain (substrate domain) containing multiple potential SH2-binding sites and a C-terminal domain containing a divergent helix-loop-helix (HLH) motif. The SH2-binding sites putatively bind CRK, NCK and ABL1 SH2 domains. The HLH motif is absolutely required for the induction of pseudohyphal growth in yeast and mediates heterodimerization with NEDD9 (By similarity).A serine-rich region promotes activation of the serum response element (SRE).The SH3 domain is necessary for the localization of the protein to focal adhesions and interacts with one proline-rich region of PTK2/FAK11.Belongs to the CAS family.
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-p130 Cas (Tyr410) expression in various lysates

Western blot analysis of p130 Cas phosphorylation expression in NIH-3T3 whole cell lysates. The lane on the left is treated with the antigen-specific peptide.



AF3350 at 1/100 staining human lung 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 Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF3350 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.

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