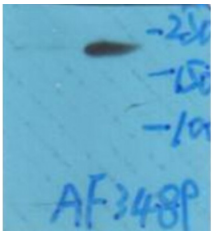
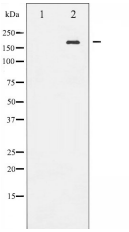
Phospho-ALK (Tyr1507) Ab

Cat.#: AF3489	Concn.: 1mg/ml	Mol.Wt.: 176kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

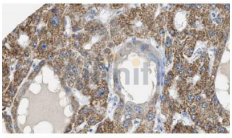
Application:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-ALK (Tyr1507) Ab detects endogenous levels of ALK only when phosphorylated at Tyrosine 1507.
Immunogen:	A synthesized peptide derived from human ALK around the phosphorylation site of Tyrosine 1507.
Uniprot:	Q9UM73
Description:	a tyrosine kinase of the ALK family. Plays an important role in the development of the brain and exerts its effects on specific neurons in the nervous system. Translocated and expressed as a fusion protein in anaplastic lymphoma.
Subcellular Location:	Cell membrane. Membrane attachment was crucial for promotion of neuron-like differentiation and cell proliferation arrest through specific activation of the MAP kinase pathway.
Tissue Specificity:	Expressed in brain and CNS. Also expressed in the small intestine and testis, but not in normal lymphoid cells.
Similarity:	Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor 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.



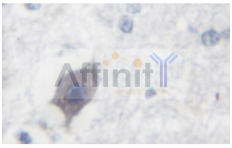
Western blot analysis of Phospho-ALK (Tyr1507) Ab expression in anisomycin treated COS7 cells lysates.The lane on the right is treated with the antigen-specific peptide.



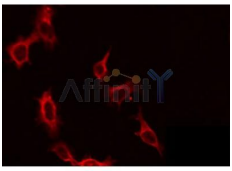
Western blot analysis of ALK phosphorylation expression in anisomycin treated COS7 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.



AF3489 at 1/100 staining Human liver cancer tissue 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 Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF3489 at 1/100 staining human brain tissues 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 49°C



AF3489 staining Hela 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.