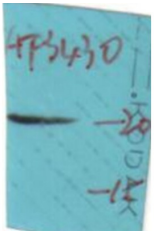
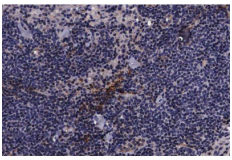
Phospho-Pin1 (Ser16) Ab

Cat.#: AF3430	Concn.: 1mg/ml	Mol.Wt.: 18kDa
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,Rat,Monkey
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-Pin1 (Ser16) Ab detects endogenous levels of Pin1 only when phosphorylated at Serine 16.
Immunogen:	A synthesized peptide derived from human Pin1 around the phosphorylation site of Serine 16.
Uniprot:	Q13526
Description:	Pin1 is a member of the parvulin family of peptidyl-prolyl isomerases (PPIase), has been implicated in the G2-M transition of the cell cycle. Has two distinct functional domains: an N-terminal WW domain and a C-terminal PPIase domain.
Subcellular Location:	Nucleus.
Tissue Specificity:	The phosphorylated form at Ser-71 is expressed in normal breast tissue cells but not in breast cancer cells.
Similarity:	The WW domain is required for the interaction with STIL and KIF20B.
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-Pin1 (Ser16) Ab expression in Insulin treated COS7 cells lysates.The lane on the right was treated with the antigen-specific peptide.



AF3430 at 1/200 staining human lymph node 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.

AF3430 staining COS7 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.