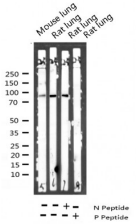
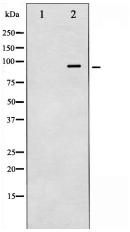
Phospho-VAV1 (Tyr174) Ab

Cat.#: AF3182	Concn.: 1mg/ml	Mol.Wt.: 95kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

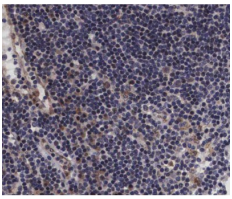
Application:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-VAV1 (Tyr174) Ab detects endogenous levels of VAV1 only when phosphorylated at Tyrosine 174.
Immunogen:	A synthesized peptide derived from human VAV1 around the phosphorylation site of Tyrosine 174.
Uniprot:	P15498
Description:	The protein encoded by this proto-oncogene is a member of the Dbl family of guanine nucleotide exchange factors (GEF) for the Rho family of GTP binding proteins.
Subcellular Location:	Cytoplasmic and Plasma membrane VAV1, Cytoplasm - VAV2 & VAV3
Tissue Specificity:	Widely expressed in hematopoietic cells but not in other cell types.
Similarity:	The DH domain is involved in interaction with CCPG1.
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-VAV1 (Tyr174) expression in various lysates



Western blot analysis of VAV1 phosphorylation expression in K562 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.



AF3182 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.

AF3182 staining Hela cells 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(Cat.# S0006), diluted at 1/600, was used as 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.