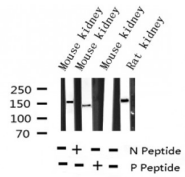
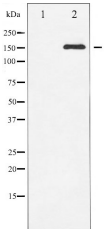
Phospho-VEGFR2 (Tyr951) Ab

Cat.#: AF3281	Concn.: 1mg/ml	Mol.Wt.: 152kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

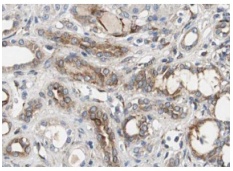
Application:	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:200
Reactivity:	Human,Mouse
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-VEGFR2 (Tyr951) Ab detects endogenous levels of VEGFR2 only when phosphorylated at Tyrosine 951.
Immunogen:	A synthesized peptide derived from human VEGFR2 around the phosphorylation site of Tyrosine 951.
Uniprot:	P35968
Description:	VEGFR-2 is a receptor tyrosine kinase of the VEGFR family. High affinity receptor for VEGF and VEGF-C. Ligand binding induces autophosphorylation and activation. Activated receptor recruits proteins including Shc, GRB2, PI3K, Nck, SHP-1 and SHP-2.
Subcellular Location:	Membrane.
Tissue Specificity:	Detected in cornea (at protein level). Widely expressed.
Similarity:	The second and third Ig-like C2-type (immunoglobulin-like) domains are sufficient for VEGFC binding.Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily.
Storage Condition and Buffer:	PBS, pH 7.4,50% glycerol.



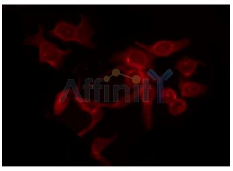
Western blot analysis of Phospho-VEGFR2 (Tyr951) expression in various lysates



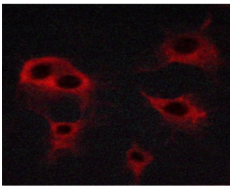
Western blot analysis of VEGFR2 phosphorylation expression in SK-OV3 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.



AF3281 at 1/100 staining human Kidney 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.



AF3281 staining K562 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.



AF3281 staining HepG2 cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary Ab was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 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.