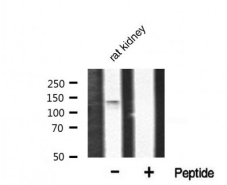
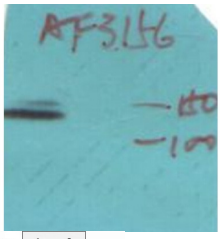
Phospho-FGFR1 (Tyr766) Ab

Cat.#: AF3156	Concn.: 1mg/ml	Mol.Wt.: 140kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

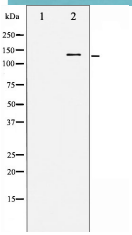
Application:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-FGFR1 (Tyr766) Ab detects endogenous levels of FGFR1 only when phosphorylated at Tyrosine 766.
Immunogen:	A synthesized peptide derived from human FGFR1 around the phosphorylation site of Tyrosine 766.
Uniprot:	P11362
Description:	The protein encoded by this gene is a member of the fibroblast growth factor receptor family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution.
Subcellular Location:	Membrane. Nucleus. Cytoplasm. Cytoplasmic vesicle
Tissue Specificity:	Detected in astrocytoma, neuroblastoma and adrenal cortex cell lines. Some isoforms are detected in foreskin fibroblast cell lines, however isoform 17, isoform 18 and isoform 19 are not detected in these cells.
Similarity:	The second and third Ig-like domains directly interact with fibroblast growth factors (FGF) and heparan sulfate proteoglycans. Isoforms lacking the first Ig-like domain have higher affinity for fibroblast growth factors (FGF) and heparan sulfate proteoglycans than isoforms with all three Ig-like domains.Belongs to the protein kinase superfamily. Tyr protein kinase family. Fibroblast growth factor 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.



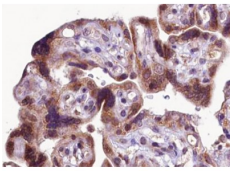
Western blot analysis of FGFR1 phosphorylation expression in rat kidney tissue lysates,The lane on the right is treated with the antigen-specific peptide.



Western blot analysis of Phospho-FGFR1 (Tyr766) Ab expression in EGF treated HepG2 cells lysates.The lane on the right is treated with the antigen-specific peptide.



Western blot analysis of FGFR1 phosphorylation expression in EGF treated HepG2 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.



AF3156 at 1/100 staining human Placenta 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.

AF3156 staining HepG2 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.