

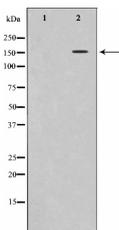
Phospho-VEGFR2(Tyr1214) Ab

Cat.#: AF0004
Size: 100ul,200ul

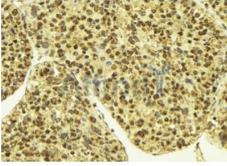
Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 152kDa
Clonality: Polyclonal

Application:	WB 1:500-1:2000, IHC 1:50-1:200
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Specificity:	Phospho-VEGFR2(Tyr1214) Ab detects endogenous levels of VEGFR2 only when phosphorylated at Tyrosine 1214.
Immunogen:	A synthesized peptide derived from human VEGFR2 around the phosphorylation site of Tyr1214.
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. Plays a key role in vascular development and regulation of vascular permeability.
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:	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 on K562 cell lysates using Phospho-VEGFR2(Tyr1214) Ab.The lane on the left was treated with the antigen-specific peptide.



AF0004 at 1/100 staining Human breast 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.

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.

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