

VEGFR1 Rabbit pAb

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Catalog # AP93953

Product Information

Application	WB, IHC-P, IHC-F, IF
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse VEGFR1
Epitope Specificity	1162-1260/1333
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Isoform 1: Cell membrane; Single-pass type I membrane protein. Endosome. Note=Autophosphorylation promotes ubiquitination and endocytosis ; Isoform 2: Secreted ; Isoform 3: Secreted ; Isoform 4: Secreted ; Isoform 5: Cytoplasm (Potential) ; Isoform 6: Cytoplasm (Potential) ; Isoform 7: Cytoplasm (Potential).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	VEGF Receptor 1 (also known as FLT) belongs to the src gene family and shows tyrosine protein kinase activity that is important for the control of cell proliferation and differentiation. The protein acts as a receptor for VEGF, VEGFB and PGF. An alternatively spliced form of the gene produces a soluble protein (sFlt1) which binds vascular endothelial growth factor (VEGF) with high affinity. sFlt1 has a higher affinity for VEGF indicating that it may function as an inhibitor in the VEGF response. VEGF Receptor 1 is specifically expressed in most vascular endothelial cells and peripheral blood monocytes.

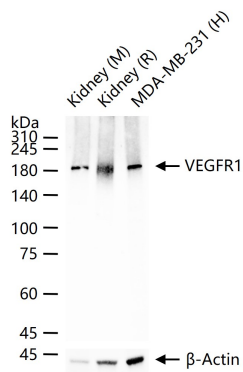
Additional Information

Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:400-800,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

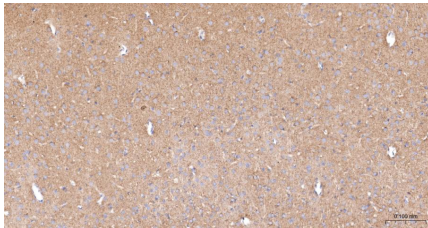
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Images



25 ug total protein per lane of various lysates (see on figure) probed with VEGFR1 polyclonal antibody, unconjugated (AP93953) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with VEGFR1 Polyclonal Antibody, Unconjugated (AP93953) at 1:200 overnight at 4°C, followed by conjugation to the AP93953-HRP and DAB (C-0010) staining.

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