

Angiogenesis Antibody Sampler Kit

Cat# AK0116

Upon receipt, store at -20°C. Avoid freeze/thaw cycles.

PRODUCT DESCRIPTION

Vascular endothelial growth factor receptor 2 (VEGFR2, KDR, Flk-1) is a major receptor for VEGF-induced signaling in endothelial cells. Upon ligand binding, VEGFR2 undergoes autophosphorylation and becomes activated. Signaling from VEGFR2 is necessary for angiogenesis in vivo. Activation of the receptor leads to rapid recruitment of adaptor proteins, including Shc, GRB2, PI3 kinase, NCK, and the protein tyrosine phosphatases SHP-1 and SHP-2. Phosphorylation of VEGFR2 at Tyr1212 provides a docking site for GRB2 binding and phosphorylation at Tyr1175 binds the p85 subunit of PI3 kinase and PLC γ . Activation of VEGFR2 during angiogenesis leads to signaling through multiple downstream kinase pathways including Akt, Src, FAK, p38, and Erk1/2.

PRODUCT INCLUDES

Cat No.	Product name	Quantity	Applications	Reactivity	Host
A340222	Phospho-FLK1 (Tyr1175) Polyclonal Antibody	20 μ L	WB, IHC, ELISA	Human, Mouse, Rat	Rabbit
A340190	Phospho-Pan-Akt (Ser473) Polyclonal Antibody	20 μ L	WB, IHC, ELISA	Human, Mouse, Rat	Rabbit
A340295	Phospho-c-SRC (Tyr419) Polyclonal Antibody	20 μ L	WB, IHC, ELISA	Human, Mouse, Rat	Rabbit
A340361	Phospho-c-SRC (Ser75) Polyclonal Antibody	20 μ L	WB, IHC, ELISA	Human, Mouse, Rat	Rabbit
A340315	Phospho-FAK (Tyr397) Polyclonal Antibody	20 μ L	WB, ELISA	Human, Mouse, Rat	Rabbit
A340303	Phospho-P38 (Thr180/Tyr182) Polyclonal Antibody	20 μ L	WB, IHC, ELISA	Human, Mouse, Rat	Rabbit
A340279	Phospho-PLCG1 (Tyr783) Polyclonal Antibody	20 μ L	WB, IHC, ELISA	Human, Mouse, Rat, Monkey	Rabbit
A340370	Phospho-ERK 1/2 (Thr202/Tyr204) Polyclonal Antibody	20 μ L	WB, IHC, ELISA	Human, Mouse, Rat	Rabbit

A1013s	Goat Anti-Rabbit IgG (H+L) (peroxidase/HRP conjugated)	120μL	WB,ELISA	Rabbit	Goat
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PRODUCT USE LIMITATION

These products are intended for research use only.