BT LAB
Bioassay Technology Laboratory
Optimize Your Research

Flk-1/VEGFR2(Phospho Tyr1214) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP15633
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human VEGFR2 around the phosphorylation site of Tyr1214. AA range:1180-1229
Mol wt	151527
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ICC, ELISA
Concentration	1 mg/ml
Full name	Vascular endothelial growth factor receptor 2
Synonyms	Vascular endothelial growth factor receptor 2; KDR; FLK1; VEGFR2; Vascular endothelial growth factor receptor 2; VEGFR-2; Fetal liver kinase 1; FLK-1; Kinase insert domain receptor; KDR; Protein-tyrosine kinase receptor flk-1; CD antigen CD309

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This gene encodes one of the two receptors of the VEGF. This receptor, known as kinase insert domain receptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin alphaVbeta3, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas.

Recommended Dilution

WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

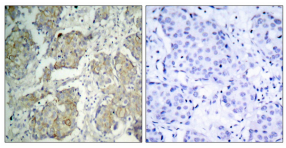
IF: 1: 200 - 1: 1000

ICC: 1: 200 - 1: 1000

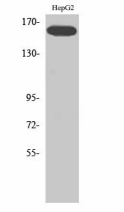
ELISA: 1: 10000

Not yet tested in other applications.

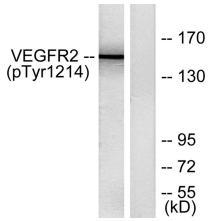
Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using VEGFR2 (Phospho-Tyr1214) Antibody. The picture on the right is blocked with the phospho peptide.



Western Blot analysis of various cells using Phospho-Flk-1 (Y1214) Polyclonal Antibody



Western blot analysis of lysates from HepG2 cells treated with Na3VO4 0.3nM 40', using VEGFR2 (Phospho-Tyr1214) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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