



# Rabbit Anti-Human VEGF Receptor 2 (phospho Tyr951) monoclonal antibody, clone I.377.4 (CABT-L1652)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Target	VEGF
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding pTyr951 of human VEGF receptor 2
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Clone	I.377.4
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	IHC-P, WB
Format	Liquid
Buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative	See individual product datasheet
Storage	-20°C

## BACKGROUND

**Introduction**

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  $\alpha V\beta 3$ , T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas.

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**Keywords**

VEGF;Vascular endothelial growth factor;VPF;VEGFA

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