

## Recombinant VEGF Receptor 2 Monoclonal Antibody

catalog number: **AN301319L**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

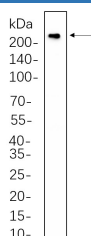
### Description

<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	Recombinant Human VEGF Receptor 2 protein
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG, $\kappa$
<b>Clone</b>	B1082
<b>Purification</b>	Protein A
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications Recommended Dilution

<b>WB</b>	1:2000-1:10000
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### Data



Western Blot with Recombinant VEGF Receptor 2  
Monoclonal Antibody at dilution of 1:1000 dilution. Lane A:  
Rat heart cell lysate.

**Observed-MW:230 kDa**  
**Calculated-MW:151 kDa**

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	Ice bag

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

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