Recombinant DGRmAb®

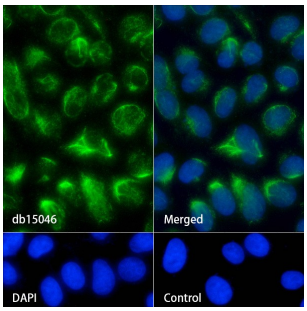
VEGFA (DGR15508) Rabbit mAb

db15046 **Package : 10μL 20μL 50μL 100μL**

Product Name : VEGFA (DGR15508) Rabbit mAb
Cat.No.: db15046
Synonyms : VPF; VEGF; MVCD1
Application : IHC-P, ICC/IF, FC
Reactivity : Human,Mouse
Host species : Rabbit

Background	This gene is a member of the PDGF/VEGF growth factor family. It encodes a heparin-binding protein, which exists as a disulfide-linked homodimer. This growth factor induces proliferation and migration of vascular endothelial cells, and is essential for both physiological and pathological angiogenesis. Disruption of this gene in mice resulted in abnormal embryonic blood vessel formation. This gene is upregulated in many known tumors and its expression is correlated with tumor stage and progression. Elevated levels of this protein are found in patients with POEMS syndrome, also known as Crow-Fukase syndrome. Allelic variants of this gene have been associated with microvascular complications of diabetes 1 (MVCD1) and atherosclerosis. Alternatively spliced transcript variants encoding different isoforms have been described. There is also evidence for alternative translation initiation from upstream non-AUG (CUG) codons resulting in additional isoforms. A recent study showed that a C-terminally extended isoform is produced by use of an alternative in-frame translation termination codon via a stop codon readthrough mechanism, and that this isoform is antiangiogenic. Expression of some isoforms derived from the AUG start codon is regulated by a small upstream open reading frame, which is located within an internal ribosome entry site. [provided by RefSeq, Nov 2015]
Immunogen	A synthetic peptide of human VEGFA
Gene ID	7422, 22339
Swiss Prot	P15692, Q00731
Synonyms	VPF; VEGF; MVCD1
Reactivity	Human,Mouse
Application	IHC-P, ICC/IF, FC
Recommended dilution	IHC-P: 1:100 ICC/IF: 1:200-1:500 FC: 1:20

Calculated MW	27 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR15508
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Immunofluorescence analysis of HepG2 cells labelling VEGFA with db15046.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db15046 (1:200) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.