

Rabbit Anti-TNFS15 / VEGI Recombinant [VEGI/2052R]: RM0436, RM0436RTU7

Intended Use: For Research Use Only

Description: VEGI is an anti-angiogenic cytokine that belongs to tumor necrosis factor superfamily, member 15 (TNFSF15). This protein is abundantly expressed in endothelial cells, but is not expressed in either B or T cells. The expression of this protein is inducible by TNF and IL-1 alpha. This cytokine is a ligand for receptor TNFRSF25 and decoy receptor TNFRSF21/DR6. It can activate NF-kappaB and MAP kinases, and acts as an autocrine factor to induce apoptosis in endothelial cells. This cytokine is also found to inhibit endothelial cell proliferation, and thus may function as an angiogenesis inhibitor. Reduced expression of VEGI has been reported as a marker of poor prognosis in breast cancer.

Specifications

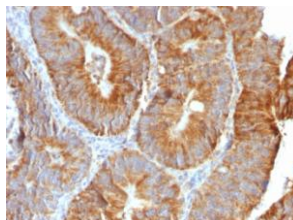
Clone:	VEGI/2052R
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human
Immunogen:	Recombinant full-length human VEGI protein
Localization:	Membrane, secreted
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN ₃)
Storage:	Store at 2°- 8°C
Applications:	IHC
Package:	

Description	Catalog No.	Size
TNFS15 / VEGI [VEGI/2052R] Concentrated	RM0436	1 ml
TNFS15 / VEGI [VEGI/2052R] Prediluted	RM0436RTU7	7 ml

IHC Procedure

Positive Control Tissue:	Endothelial cells, colon, intestine, placenta, lung, liver, kidney, pancreas, spleen, prostate
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human colon carcinoma stained with TNFS15 using DAB

References:

1. Epigenetic modulators hydralazine and sodium valproate act synergistically in VEGI-mediated anti-angiogenesis and VEGF interference in human osteosarcoma and vascular endothelial cells. Kumanishi S, et al. Int J Oncol 55:167-178, 2019.
2. Transcriptome Sequencing Identifies Novel Immune Response Genes Highly Related to the Severity of Human Adenovirus Type 55 Infection. Xu W, et al. Front Microbiol 10:130, 2019.
3. Changes in TL1A levels and associated cytokines during pathogenesis of diabetic retinopathy. Zhang ZH, et al. Mol Med Rep 15:573-580, 2017.

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Rev. A

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