

Product Datasheet

Recombinant TNFSF15 Antibody / TL1A / VEGI (orb606459)

Catalog Number	orb606459
Category	Antibodies
Description	<p>TNF ligand-related molecule 1 is an anti-angiogenic cytokine that is also called Tumor necrosis factor superfamily, member 15 (TNFSF15) and Vascular endothelial growth inhibitor (VEGI/VEGI192A). 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 TL1A/TNFSF15/VEGI has been reported as a marker of poor prognosis in breast cancer.</p>
Clonality	Recombinant
Species/Host	Rabbit
Isotype	Rabbit IgG, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein A affinity chromatography
Immunogen	A full length human recombinant protein was used as the immunogen for this recombinant TNFSF15 antibody.

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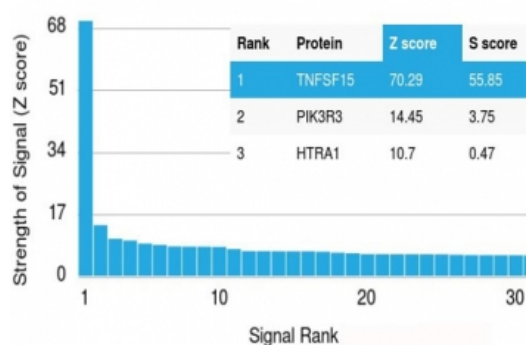
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UniProt ID	O95150
Tested applications	IHC-P
Dilution range	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Application notes	Titration of the recombinant TNFSF15 antibody may be required for optimal performance.1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
Antibody Type	Primary Antibody
Clone Number	VEGI/2052R
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.

Human Protein Microarray Specificity Validation



Analysis of HuProt (TM) microarray containing more than 19,000 full-length human proteins using recombinant TNFSF15 antibody (clone VEGI/2052R). These results demonstrate the foremost specificity of the VEGI/2052R mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt (TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt (TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

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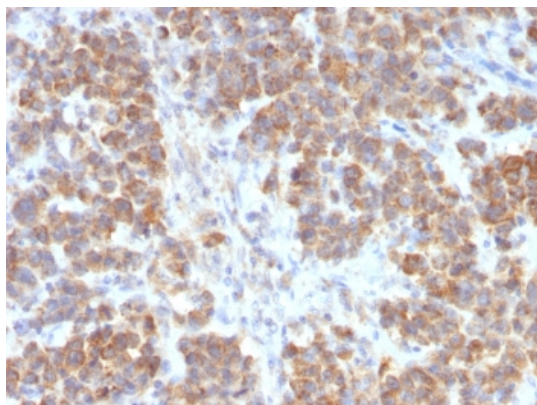
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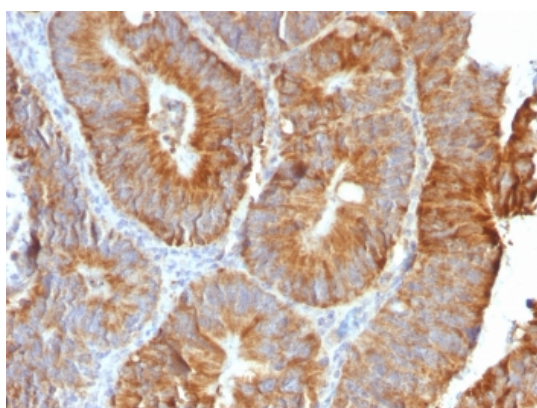
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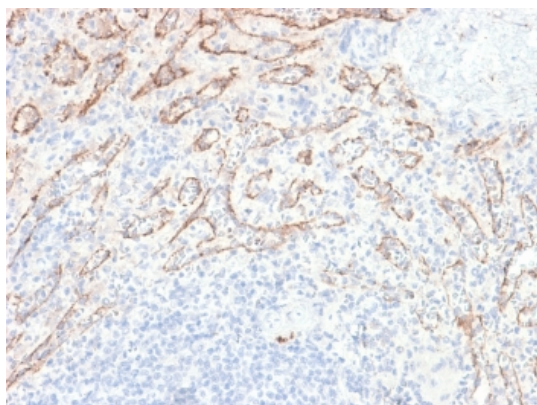
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IHC testing of FFPE human parathyroid mass with recombinant TNFSF15 antibody (clone VEGI/2052R). Required HIER: boil sections in 10mM Tris with 1mM EDTA, pH9, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE human colon carcinoma with recombinant TNFSF15 antibody (clone VEGI/2052R). Required HIER: boil sections in 10mM Tris with 1mM EDTA, pH9, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE human spleen with recombinant TNFSF15 antibody (clone VEGI/2052R). Required HIER: boil sections in 10mM Tris with 1mM EDTA, pH9, for 10-20 min followed by cooling at RT for 20 min.

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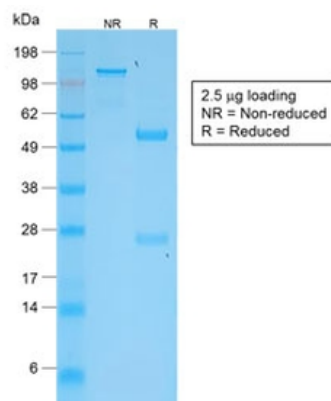
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SDS-PAGE analysis of purified, BSA-free recombinant TNFSF15 antibody (clone VEGI/2052R) as confirmation of integrity and purity.

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