Datasheet for ABIN5708010
anti-TNFSF15 antibody

4 Images

Overview

Quantity:	100 μg
Target:	TNFSF15
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This TNFSF15 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A full length human recombinant protein was used as the immunogen for this recombinant TNFSF15 antibody.
Clone:	VEGI-2052R
Isotype:	IgG kappa
Purification:	Purified
Purity:	Protein A affinity chromatography

Target Details

Target:	TNFSF15
Alternative Name:	TNFSF15 / VEGI / TL1A (TNFSF15 Products)
Background:	TNF ligand-related molecule 1 is an anti-angiogenic cytokine that is also called Tumor necrosis

Target Details

	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.
Gene ID:	9966
Pathways:	Positive Regulation of Endopeptidase Activity, Autophagy

Application Details

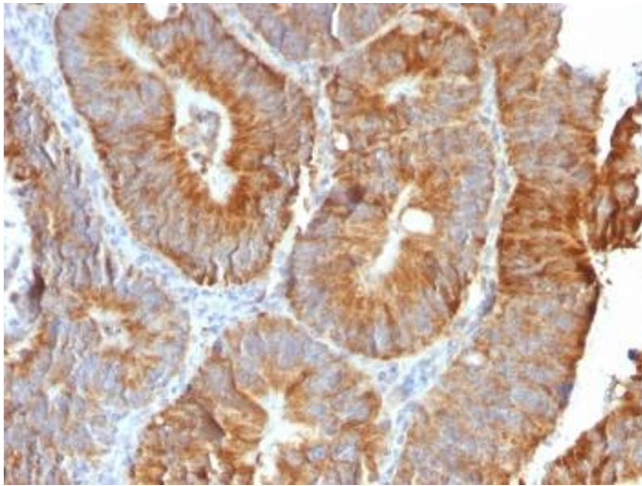|	
Application Notes:	Titration of the recombinant TNFSF15 antibody may be required for optimal performance. 1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. Immunohistochemistry (FFPE): 1-2 µg/mL,Prediluted IHC only format : incubate for 30 min at RT (1)
Restrictions:	For Research Use only

Handling

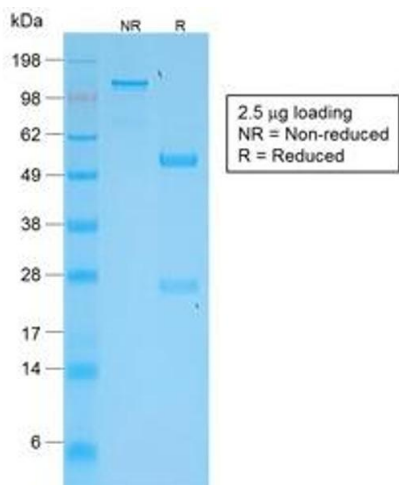|	
Buffer:	0.2 mg/mL in 1X PBS with 0.1 mg/mL BSA (US sourced) and 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store the recombinant TNFSF15 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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Images
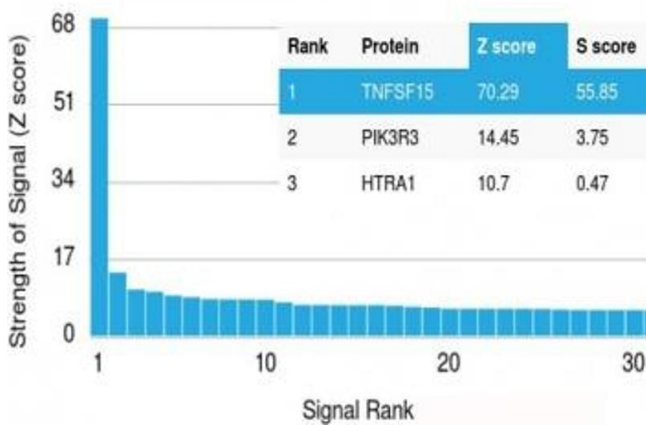

Immunohistochemistry

Image 1. 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.

2.5 µg loading
NR = Non-reduced
R = Reduced

SDS-PAGE

Image 2. SDS-PAGE analysis of purified, BSA-free recombinant TNFSF15 antibody (clone VEGI/2052R) as confirmation of integrity and purity.

Human Protein Microarray Specificity Validation

Rank	Protein	Z score	S score
1	TNFSF15	70.29	55.85
2	PIK3R3	14.45	3.75
3	HTRA1	10.7	0.47

Microarray

Image 3. 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

Images

represents the relative target specificity of an Ab to its intended target.

Please check the product details page for more images. Overall 4 images are available for ABIN5708010.