

VTCN1 (aa153-165) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3692a**Specification**

VTCN1 (aa153-165) Antibody (internal region) - Product Information

Application	WB
Primary Accession	Q7Z7D3
Other Accession	NP_078902.2 , 79679 , 242122 (mouse) , 295322 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	30878

VTCN1 (aa153-165) Antibody (internal region) - Additional Information**Gene ID** 79679**Other Names**

V-set domain-containing T-cell activation inhibitor 1, B7 homolog 4, B7-H4, B7h.5, Immune costimulatory protein B7-H4, Protein B7S1, T-cell costimulatory molecule B7x, VTCN1 {ECO:0000312|EMBL:EAW56672.1}

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

VTCN1 (aa153-165) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

VTCN1 (aa153-165) Antibody (internal region) - Protein Information**Name** VTCN1 {ECO:0000312|EMBL:EAW56672.1}**Function**

Negatively regulates T-cell-mediated immune response by inhibiting T-cell activation, proliferation, cytokine production and development of cytotoxicity. When expressed on the cell surface of tumor macrophages, plays an important role, together with regulatory T- cells (Treg), in the suppression of tumor-associated antigen-specific T-cell immunity. Involved in promoting epithelial cell

transformation.

Cellular Location

Cell membrane; Single-pass type I membrane protein. Note=Expressed at the cell surface. A soluble form has also been detected. {ECO:0000255, ECO:0000269|PubMed:12818165, ECO:0000269|PubMed:15878339, ECO:0000269|PubMed:16782226}

Tissue Location

Overexpressed in breast, ovarian, endometrial, renal cell (RCC) and non-small-cell lung cancers (NSCLC). Expressed on activated T- and B-cells, monocytes and dendritic cells, but not expressed in most normal tissues (at protein level). Widely expressed, including in kidney, liver, lung, ovary, placenta, spleen and testis

VTCN1 (aa153-165) Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

VTCN1 (aa153-165) Antibody (internal region) - Images



AF3692a (0.2 µg/ml) staining of Human Spleen lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

VTCN1 (aa153-165) Antibody (internal region) - References

Expression of B7-H4 in blood of patients with gastric cancer predicts tumor progression and prognosis. Arigami T, Uenosono Y, Hirata M, Hagihara T, Yanagita S, Ishigami S, Natsugoe S. J Surg Oncol. 2010 Dec 1;102(7):748-52. PMID: 20872810