

Rabbit anti-Human VTCN1 Polyclonal Antibody | anti-VTCN1 antibody

VTCN1 Antibody (Center)

CATALOG # AAA289242	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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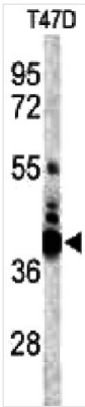
PRODUCT SYNONYMS

VTCN1; Polyclonal Antibody; VTCN1 Antibody (Center); V-set domain-containing T-cell activation inhibitor 1; B7 homolog 4; B7-H4; B7h5; Immune costimulatory protein B7-H4; Protein B7S1; T-cell costimulatory molecule B7x; VTCN1 {ECO:0000312|EMBL:EAW566721}; anti-VTCN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This VTCN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 72-100 amino acids from the Central region of human VTCN1.
Purity/Purification	. This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide
Sequence Positions	72-100
Sequence Length	187
Applicable Applications for anti-VTCN1 antibody	ELISA, WB (Western Blot)
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
Preparation and 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.

IMAGES



WB (Western Blot)
Western blot analysis of VTCN1 Antibody (Center) in T47D cell line lysates (35ug/lane).
VTCN1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-VTCN1 antibody	VTCN1 belongs to the B7 family (see CD80; MIM 112203) of costimulatory proteins. These proteins are expressed on the surface of antigen-presenting cells and interact with ligands (e.g., CD28; MIM 186760) on T lymphocytes.
Product Categories/Family for anti-VTCN1 antibody	Cancer; Cell Biology; Immunology; Metabolism; Microbiology; Signal Transduction
References	Xue, Q., et al. Stem Cells Dev. 19(1):27-38(2010) Cheng, L., et al. Int. J. Gynecol. Cancer 19(9):1481-1486(2009) Hinks, A., et al. Arthritis Rheum. 60(1):258-263(2009) Zhang, J., et al. BMC Cancer 9, 394 (2009) : Thompson, R.H., et al. Cancer Res. 68(15):6054-6058(2008) Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003) Zang, X., et al. Proc. Natl. Acad. Sci. U.S.A. 100(18):10388-10392(2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	359718944
NCBI GeneID	79679
NCBI Accession #	NP_001240778.1; NP_001240779.1; NP_078902.2
NCBI GenBank Nucleotide #	NM_001253849.1
UniProt Accession #	Q7Z7D3; Q0GN76; Q45VN0; Q5WPZ3; Q6P097; Q9H6B2
NCBI Official Full Name	V-set domain-containing T-cell activation inhibitor 1 isoform 2
NCBI Official Synonym Full Names	V-set domain containing T cell activation inhibitor 1
NCBI Official Symbol	VTCN1
NCBI Official Synonym Symbols	B7X; B7H4; B7S1; B7-H4; B7h.5; VCTN1; PRO1291
NCBI Protein Information	V-set domain-containing T-cell activation inhibitor 1
UniProt Protein Name	V-set domain-containing T-cell activation inhibitor 1
UniProt Gene Name	VTCN1
UniProt Synonym Gene Names	B7-H4
UniProt Entry Name	VTCN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/vtcn1-antibody-western-blot-elisa/289242>