

## Rabbit anti-Human, Rat VTCN1 Polyclonal Antibody | anti-VTCN1 antibody

VTCN1 Antibody

|                               |                       |                                 |                                            |
|-------------------------------|-----------------------|---------------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA327343</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Rat</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|-------------------------------|-----------------------|---------------------------------|--------------------------------------------|

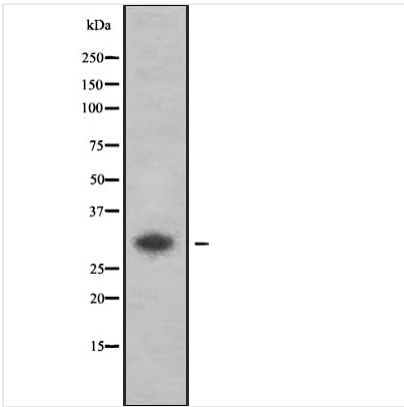
### PRODUCT SYNONYMS

VTCN1; Polyclonal Antibody; VTCN1 Antibody; B7 family member; H4; B7 H4; B7 homolog 4; B7 superfamily member 1; B7 superfamily; member 1; B7-H4; B7h.5; B7h4; B7S1; B7x; BC032925; Immune costimulatory protein B7-H4; Immune costimulatory protein B7H4; MGC41287; PRO1291; Protein B7S1; RP11 229A19.4; T cell costimulatory molecule B7x; T-cell costimulatory molecule B7x; V set domain-containing T cell activation inhibitor 1; V-set domain-containing T-cell activation inhibitor 1; VCTN1; Vtcn1; VTCN1\_HUMAN; anti-VTCN1 antibody

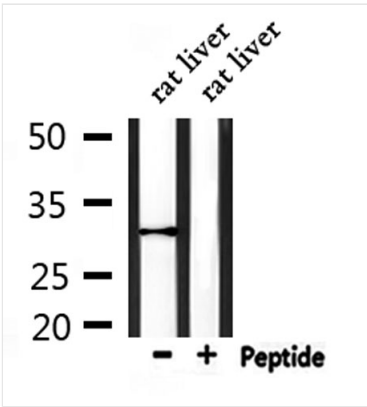
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                                                                             |
| Reactivity                                      | Human, Rat                                                                                                                                                                                                                                                                                                                         |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                                                                         |
| Isotype                                         | IgG                                                                                                                                                                                                                                                                                                                                |
| Specificity                                     | VTCN1 antibody detects endogenous levels of total VTCN1                                                                                                                                                                                                                                                                            |
| Purity/Purification                             | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                                                                                                                                                                                                                                      |
| Form/Format                                     | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                                                                                                                                      |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                             |
| Sequence Length                                 | 187                                                                                                                                                                                                                                                                                                                                |
| Applicable Applications for anti-VTCN1 antibody | ELISA, WB (Western Blot)                                                                                                                                                                                                                                                                                                           |
| Immunogen                                       | A synthesized peptide derived from human VTCN1                                                                                                                                                                                                                                                                                     |
| Subcellular Location                            | Cell Membrane. Expressed at the cell surface. A soluble form has also been detected.                                                                                                                                                                                                                                               |
| Tissue Specificity                              | 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. |
| Predicted Cross Reactivity                      | <b>Pig, Bovine, Horse, Sheep, Rabbit, Dog</b>                                                                                                                                                                                                                                                                                      |
| Similarity                                      | Pig (90%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)                                                                                                                                                                                                                                                    |
| Conjugation                                     | Unconjugated                                                                                                                                                                                                                                                                                                                       |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                                                                                                                                                                                                                  |

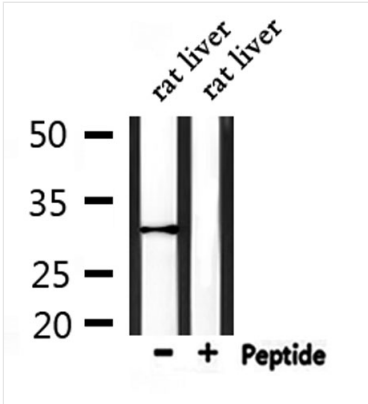
IMAGES



WB (Western Blot)  
Western blot analysis of VTCN1 using HT29 whole lysates.



WB (Western Blot)  
Western blot analysis of extracts from rat liver, using VTCN1 Antibody.



WB (Western Blot)  
Western blot analysis of extracts from 293, using VTCN1 Antibody. Lane 1 was treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-VTCN1 antibody | 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.<br>Post-translational Modifications: N-glycosylated.<br>Similarity: Belongs to the immunoglobulin superfamily. BTN/MOG family. |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| NCBI GI #                        | 359718944                                                       |
| NCBI GeneID                      | 79679                                                           |
| NCBI Accession #                 | NP_001240778.1                                                  |
| NCBI GenBank Nucleotide #        | NM_001253849.1                                                  |
| UniProt Accession #              | Q7Z7D3; Q0GN76; Q45VN0; Q5WPZ3; Q6P097; Q9H6B2                  |
| Molecular Weight                 | Observed: 31 kDa<br>Predicted: 31 kDa                           |
| 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             | <b>VTCN1</b>                                          |
| UniProt Synonym Gene Names    | B7-H4                                                 |

**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/327343>