

Anti-VTCN1 / B7-H4 Antibody

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS17926

Product Information

Application	WB, IHC-P, E
Primary Accession	Q7Z7D3
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	30878
Concentration (mg/ml)	4.5 mg/ml

Additional Information

Gene ID	79679
Alias Symbol	VTCN1
Other Names	VTCN1, B7 superfamily member 1, B7 Superfamily, member 1, B7h.5, B7S1, B7H4, PRO1291, VCTN1, RP11-229A19.4, B7 family member, H4, B7-H4, B7X, Protein B7S1
Reconstitution & Storage	Caprylic acid and ammonium sulfate precipitation
Precautions	Anti-VTCN1 / B7-H4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.