

## ARG41494 anti-B7-H4 antibody

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes B7-H4
Tested Reactivity	Hu
Predict Reactivity	Ms
Tested Application	FACS, ICC/IF, IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	B7-H4
Species	Human
Immunogen	Recombinant protein of Human B7-H4.
Conjugation	Un-conjugated
Alternate Names	B7H4; B7 homolog 4; Protein B7S1; V-set domain-containing T-cell activation inhibitor 1; B7-H4; B7X; T-cell costimulatory molecule B7x; B7h.5; VCTN1; PRO1291; Immune costimulatory protein B7-H4; B7S1

### Application Instructions

Application table	Application	Dilution
	FACS	1:50 - 1:250
	ICC/IF	1:50 - 1:250
	IHC-P	1:50 - 1:250
Application Note	IHC-P: Antigen Retrieval: Heat mediated was performed using Tris/EDTA buffer pH 9.0. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

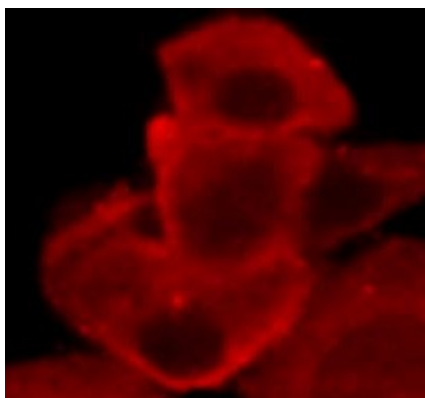
### Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	TBS (pH 7.4), 0.05% Sodium azide, 1% BSA and 40% Glycerol.
Preservative	0.05% Sodium azide
Stabilizer	1% BSA and 40% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

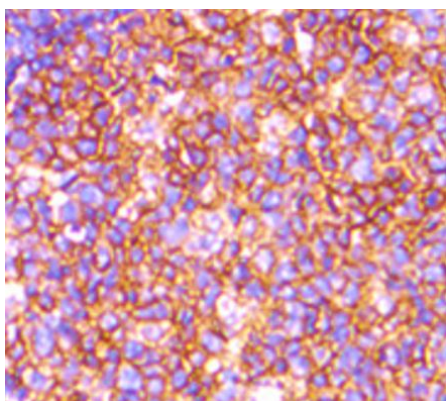
Gene Symbol	VTCN1
Gene Full Name	V-set domain containing T cell activation inhibitor 1
Background	This gene encodes a protein belonging to the B7 costimulatory protein family. Proteins in this family are present on the surface of antigen-presenting cells and interact with ligand bound to receptors on the surface of T cells. Studies have shown that high levels of the encoded protein has been correlated with tumor progression. A pseudogene of this gene is located on chromosome 20. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]
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. [UniProt]
Calculated Mw	31 kDa
PTM	N-glycosylated. [UniProt]
Cellular Localization	Cell membrane; Single-pass type I membrane protein. Note=Expressed at the cell surface. A soluble form has also been detected. [UniProt]

## Images



ARG41494 anti-B7-H4 antibody ICC/IF image

Immunofluorescence: 4% PFA fixed SK-BR-3 cells permeabilized with 0.2% Triton-X100 contained PBS and then stained with ARG41494 anti-B7-H4 antibody (red).



ARG41494 anti-B7-H4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil tissue stained with ARG41494 anti-B7-H4 antibody. Antigen Retrieval: Heat mediated was performed using Tris/EDTA buffer pH 9.0.