

Datasheet for ABIN5027454
anti-VTCN1 antibody (AA 23-220)



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Overview

Quantity:	100 µg
Target:	VTCN1
Binding Specificity:	AA 23-220
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VTCN1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	A partial length recombinant protein (a.a 23-220) of B7-H4 was used as the immunogen for this antibody.
Clone:	ABM53A6
Isotype:	IgG2a kappa
Purification:	Protein G Chromatography

Target Details

Target:	VTCN1
Alternative Name:	B7H4 (VTCN1 Products)
Background:	B7-H4, a member of B7 family, is a transmembrane protein that has been shown to inhibit T cell

Target Details

responses and neutrophil expansion during bacterial infections. B7-H4 mRNA is widely distributed in mouse and human peripheral tissues and can be induced in monocytes, macrophages, and dendritic cells upon IL-6 and IL-10 stimulation. However, in a variety of tumor cells, B7-H4 is predominantly present in intracellular compartments with unknown mechanism and functions. Cell surface expression of B7-H4 protein is limited and shows an inducible pattern on hematopoietic cells. The overexpression of B7-H4 has been found in various types of human tumors, such as breast cancer, renal cell carcinoma (RCC), ovarian cancer, esophageal squamous cell carcinoma, gastric cancer, pancreatic cancer and melanoma etc, where its expression level is positively correlated with disease progression. By arresting cell cycle, B7-H4 ligation of T cells has a profound inhibitory effect on the growth, cytokine secretion, and development of cytotoxicity.

Molecular Weight:	75 kDa
Gene ID:	79679
UniProt:	Q7Z7D3

Application Details

Application Notes:	FACS: 0.5-1 µg/10 ⁶ cells, IHC: 5 µg/mL, WB: 2-4 µg/mL
Restrictions:	For Research Use only

Handling

Concentration:	0.5 mg/mL
Buffer:	PBS containing 0.05 % BSA, PH 7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

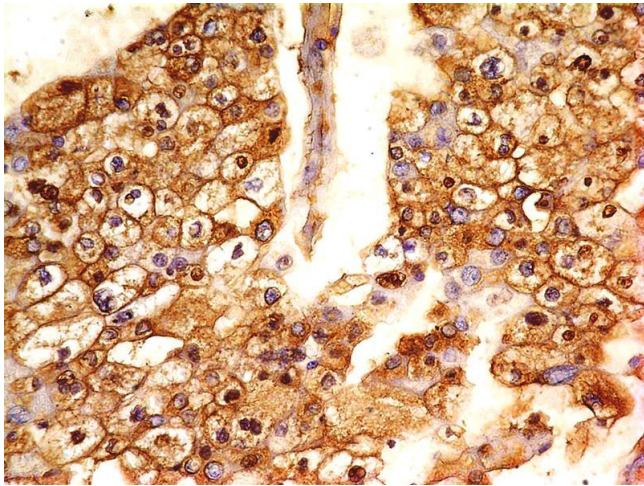


Image 1.