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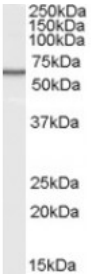
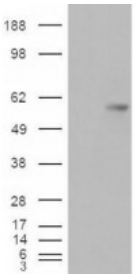
VTCN1 Antibody

CATALOG NUMBER: 46-589



Western blot analysis of VTCN1 in human spleen lysate (35 ug protein in RIPA buffer) using VTCN1 Antibody at 0.3 ug/mL.



HEK293 overexpressing VTCN1 and probed with VTCN1 antibody (mock transfection in first lane).

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	ELISA: Antibody detection limit dilution 1:64,000. Approximately 60 kDa band observed in human lung, spleen and thymus lysates (calculated MW of 30.9 kDa according to NP_078902.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Simon et al, tumor Res. 2006 Feb 1;66 (3) :1570-5.; PMID: 16452214). In transfected HEK293 transiently expressing B7-H4 the band of approximately 60 kDa is also observed. This band is not observed in the non-transfected HEK293. Recommended concentration: 0.3-1 ug/mL.
POSITIVE CONTROL:	1) Cat. No. 1306 - Human Spleen Tissue Lysate
IMMUNOGEN:	VTCN1 antibody was raised against a 12 amino acid synthetic peptide near the internal region of VTCN1.
HOST SPECIES:	Goat

Properties

PURIFICATION:	VTCN1 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
PHYSICAL STATE:	Liquid
BUFFER:	VTCN1 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
CONCENTRATION:	500 ug/mL
STORAGE CONDITIONS:	Aliquot and store at -20˚C. Minimize freezing and thawing.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	B7-H4, B7H4, B7S1, B7X, B7h.5, FLJ22418, PRO1291, RP11-229A19.4, VCTN1, T cell costimulatory molecule B7x, immune costimulatory protein, V-set domain containing T cell activation inhibitor 1, UNQ659/PRO1291
ACCESSION NO.:	NP_078902.2
PROTEIN GI NO.:	99028881

OFFICIAL SYMBOL:	VTCN1
GENE ID:	79679

Background

REFERENCES:	1) Krambeck AE, Thompson RH, Dong H, Lohse CM, Park ES, Kuntz SM, Leibovich BC, Blute ML, Cheville JC, Kwon ED. B7-H4 expression in renal cell carcinoma and tumor vasculature: associations with cancer progression and survival. Proc Natl Acad Sci USA. 2006 Jul 5;103(27):10391-6. Epub 2006 Jun 23.

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December 13, 2016