

## VTCN1 Polyclonal Antibody

Catalog number: 12080-1-AP

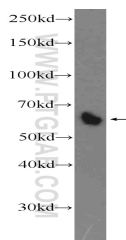
Size: 34 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

VTCN1; B7 H4, B7h.5, B7H4,  
B7S1, B7X, FLJ22418, PRO1291,  
Protein B7S1, RP11 229A19.4,  
VCTN1, VTCN1



mouse liver tissue were subjected to SDS PAGE followed by western blot with 12080-1-AP( VTCN1 Antibody) at dilution of 1:600

### Background

VTCN1 also named B7H4, B7X, or B7S1 is a 282 amino acid protein, which contains 2 immunoglobulin-like domains and belongs to the immunoglobulin superfamily. VTCN1 negatively regulates T-cell mediated immune response by inhibiting T-cell activation, proliferation, cytokine production and development of cytotoxicity. VTCN1 is a single-pass type I membrane protein, which is over-expressed in breast, ovarian, endometrial, renal cell and non-small-cell lung cancers. The molecular weight of VTCN1 is 31kDa, but mature VTCN1 is 50 to 80kDa glycosylated molecule with a 28kDa protein core.

### Applications

Tested applications:	ELISA, WB
Species specificity:	Human,Mouse,Rat; other species not tested.
Calculated VTCN1 MW:	282aa,31 kDa
Observed VTCN1 MW:	55-65 kDa
Positive WB detected in	Mouse liver tissue, A549 cells, HeLa cells, rat liver tissue
Recommended dilution:	WB: 1:200-1:2000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag2712
GenBank accession number:	BC065717
Gene ID (NCBI):	79679
Full name:	V-set domain containing T cell activation inhibitor 1

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.