

VTCN1 polyclonal antibody

Catalog: BS91445

Host: Rabbit

Reactivity: Human, Rat

BackGround:

T cell activation and immune function are regulated by the innate immune system through positive and negative costimulatory proteins. One such protein, B7-H4 (B7-homolog 4, also designated VTCN1), belongs to the B7 Immunoglobulin superfamily of ligand-lymphocyte interacting proteins. Expressed primarily on the membrane of lymphoid cells, B7-H4 is an immunoinhibitory protein that interacts with receptors on the surface of T lymphocytes, thus mediating cellular and humoral immune responses. Overexpression of the B7-H4 protein is associated with certain malignancies, including ovarian and breast cancer, as its interaction with T cells suppresses tumor-associated immunity. Current research suggests that, similar to Mucin 16 (CA125), B7-H4 may be a useful biomarker for the early detection of ovarian cancer.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

31/21/10 kDa (Predicted band size)

Swiss-Prot:

Q7Z7D3(Human) Q501W4(Rat)

Purification&Purity:

Protein affinity purified.

Applications:

WB:1:500-1:2000

ICC:1:1,000

IHC:1:50-1:200

FC:1:50-1:100

Storage&Stability:

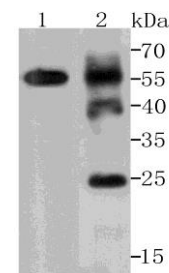
Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid

repeated freeze / thaw cycles.

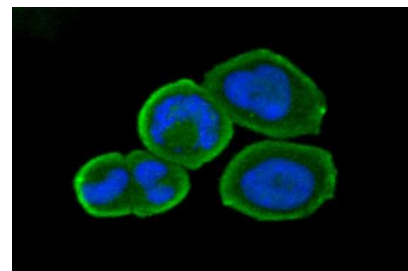
Specificity:

VTCN1 polyclonal antibody detects endogenous levels of VTCN1 protein.

DATA:



Western blot analysis of B7-H4(VTCN1) on SKBR3 cell and human colon tissue lysates using anti-B7-H4(VTCN1) antibody at 1/500 dilution.



ICC staining B7-H4(VTCN1) in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

For research use only, not for use in diagnostic procedure.

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