

CD32-C Polyclonal Antibody

Catalog No :	YT0756
Reactivity :	Human
Applications :	WB;ELISA
Target :	CD32
Fields :	>>Phagosome;>>Osteoclast differentiation;>>Leishmaniasis;>>Staphylococcus aureus infection;>>Tuberculosis
Gene Name :	FCGR2C
Protein Name :	Low affinity immunoglobulin gamma Fc region receptor II-c
Human Gene Id :	9103
Human Swiss Prot No :	P31995
Immunogen :	The antiserum was produced against synthesized peptide derived from human FCGR2C. AA range:251-300
Specificity :	CD32-C Polyclonal Antibody detects endogenous levels of CD32-C protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	35kD

Cell Pathway : B_Cell_Antigen;Fc gamma R-mediated phagocytosis;Systemic lupus erythematosus;

Background : caution:Has sometimes been attributed to correspond to FcR-IIB.,caution:Has sometimes been attributed to correspond to FcR-IIC.,disease:A chromosomal aberration involving FCGR2B is found in a follicular lymphoma. Translocation t(1;22)(q22;q11). The translocation leads to the hyperexpression of the receptor. This may play a role in the tumor progression.,domain:Contains 1 copy of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in modulation of cellular responses. The phosphorylated ITIM motif can bind the SH2 domain of several SH2-containing phosphatases.,domain:Contains an intracytoplasmic twice repeated motif referred as immunoreceptor tyrosine-based activator motif (ITAM). These motifs are involved in triggering cell activation upon receptors aggregation.,function:Receptor for the Fc region of complexed immunoglobulins gamma. Low affinity receptor. Involved in a variety of effector and regulatory functions such as phagocytosis of immune complexes and modulation of antibody production by B-cells.,function:Receptor for the Fc region of complexed or aggregated immunoglobulins gamma. Low affinity receptor. Involved in a variety of effector and regulatory functions such as phagocytosis of immune complexes and modulation of antibody production by B-cells. Binding to this receptor results in down-modulation of previous state of cell activation triggered via antigen receptors on B-cells (BCR), T-cells (TCR) or via another Fc receptor. Isoform IIB1 fails to mediate endocytosis or phagocytosis. Isoform IIB2 does not trigger phagocytosis.,similarity:Contains 2 Ig-like C2-type (immunoglobulin-like) domains.,subunit:Isoform IIB1 interacts with measles virus N protein. N protein is released in the blood following lysis of measles infected cells. This interaction presumably block inflammatory immune response. Interacts with INPP5D/SHIP1.,tissue specificity:Is the most broadly distributed Fc-gamma-receptor. Expressed in monocyte, neutrophils, macrophages, basophils, eosinophils, Langerhans cells, B-cells, platelets cells and placenta (endothelial cells). Not detected in natural killer cells.,tissue specificity:Isoform IIC1 is detected in monocytes, macrophages, polymorphonuclear cells and natural killer cells.,

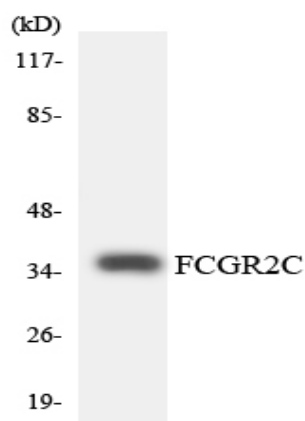
Function : caution:Has sometimes been attributed to correspond to FcR-IIB.,caution:Has sometimes been attributed to correspond to FcR-IIC.,disease:A chromosomal aberration involving FCGR2B is found in a follicular lymphoma. Translocation t(1;22)(q22;q11). The translocation leads to the hyperexpression of the receptor. This may play a role in the tumor progression.,domain:Contains 1 copy of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in modulation of cellular responses. The phosphorylated ITIM motif can bind the SH2 domain of several SH2-containing phosphatases.,domain:Contains an intracytoplasmic twice repeated motif referred as immunoreceptor tyrosine-based activator motif (ITAM). These motifs are involved in triggering cell activation upon receptors aggregation.,function:Receptor for the Fc region of complexed immunog

Subcellular [Isoform IIC4]: Cytoplasm .; [Isoform IIC3]: Cell membrane; Single-pass type I

Location : membrane protein.; [Isoform IIC2]: Cell membrane; Single-pass type I membrane protein.; [Isoform IIC1]: Cell membrane; Single-pass type I membrane protein.

Expression : Isoform IIC1 is detected in monocytes, macrophages, polymorphonuclear cells and natural killer cells.

Products Images



Western blot analysis of the lysates from HeLa cells using FCGR2C antibody.