10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CD32b (Phospho-Y292) Antibody

Catalog # AP51631

Product Information

Application	WB
Primary Accession	P31994
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34044

Additional Information

Gene ID	2213
Other Names	CD32; FCG2; IGFR2; Low affinity immunoglobulin gamma Fc region receptor II-b; IgG Fc receptor II-b; CDw32; Fc-gamma RII-b; Fc-gamma-RIIb; FcRII-b; CD32; FCGR3A; CD16A; FCG3; FCGR3; IGFR3; Low affinity immunoglobulin gamma Fc region receptor III-A; CD16a antigen; Fc-gamma RIII-alpha; Fc-gamma RIII; Fc-gamma RIIIa; FcRIII; FcRIIIa; FcR-10; IgG Fc receptor III-2; CD16a; FCGR3B; CD16B; FCG3; FCGR3; IGFR3; Low affinity immunoglobulin gamma Fc region receptor III-B; Fc-gamma RIII-beta; Fc-gamma RIII; Fc-gamma RIIIb; FcRIII; FcRIIIb; FcR-10; IgG Fc receptor III-1; CD16b
Target/Specificity	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding Y292 of human CD32b protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

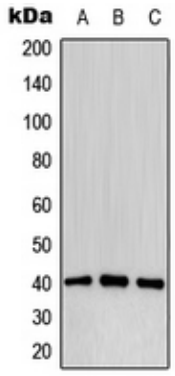
Name	FCGR2B
Synonyms	CD32, FCG2, IGFR2
Function	Receptor for the Fc region of complexed or aggregated immunoglobulins gamma. Low affinity receptor. Involved in a variety of effector and regulatory functions such as phagocytosis of immune complexes and modulation of antibody production by B-cells. Binding 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.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	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

References

Ng S.,et al.Submitted (JAN-1997) to the EMBL/GenBank/DDBJ databases.
Stuart S.G.,et al.EMBO J. 8:3657-3666(1989).
Brooks D.G.,et al.J. Exp. Med. 170:1369-1385(1989).
Engelhardt W.,et al.Eur. J. Immunol. 20:1367-1377(1990).
Ebert L.,et al.Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of CD32b (Phospho-Y292) expression in MCF7 pervanadate-treated (A), mouse liver (B), PC12 pervanadate-treated (C) whole cell lysates. (Predicted band size: 34 kD; Observed band size: 40 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.