



Rabbit anti-human IgG Fc fragment polyclonal Antibody

Catalog Number: CSB-PA00540E0Rb

Synonym Names	IgG Fc fragment receptor transporter alpha chain, Neonatal Fc receptor, IgG Fc
Product type	Primary antibodies
Description	Rabbit polyclonal to IgG Fc
Clonality	Polyclonal
Isotype	IgG
Reacts with	Human ;Other species are not tested.Please decide the specificity by homology.
Conjugate	Non conjugated
Purity	>95% by Caprylic Acid Ammonium Sulfate Precipitation
Storage buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Shipped at 4°C Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze.
Form	Liquid
Raised in	Rabbit
Tested applications	ELISA,WB;Not yet tested in other applications.
Background	<p>The fragment crystallizable region (Fc region) is the tail region of an antibody that interacts with cell surface receptors called Fc receptors and some proteins of the complement system. This property allows antibodies to activate the immune system. In IgG, IgA and IgD antibody isotypes, the Fc region is composed of two identical protein fragments, derived from the second and third constant domains of the antibody two heavy chains; IgM and IgE Fc regions contain three heavy chain constant domains (CH domains 2–4) in each polypeptide chain. The Fc regions of IgGs bear a highly conserved N-glycosylation site. Glycosylation of the Fc fragment is essential for Fc receptor-mediated activity. The N-glycans attached to this site are predominantly core-fucosylated diantennary structures of the complex type. In addition, small amounts of these N-glycans also bear bisecting GlcNAc and α-2,6 linked sialic acid residues.</p>
References	<p>[1]"A major histocompatibility complex class I-like Fc receptor cloned from human placenta: possible role in transfer of immunoglobulin G from mother to fetus." Story C.M., Mikulska J., Simister N.E.J. Exp. Med. 180:2377-2381(1994).</p> <p>[2]"Initial characterization of the human central proteome."Burkard T.R., Planyavsky M., Kaupé I., Breitwieser F.P., Buerckstuehmer T., Bennett K.L., Superti-Furga G., Colinge J.BMC Syst. Biol. 5:17-17(2011).</p> <p>[3]"Crystal structure and immunoglobulin G binding properties of the human major histocompatibility complex-related Fc receptor."West A.P. Jr., Bjorkman P.J. Biochemistry 39:9698-9708(2000).</p>