

anti-Human FCGRT Polyclonal Antibody | anti-FCGRT antibody

Anti-FCGRT Antibody

CATALOG # AAA46399	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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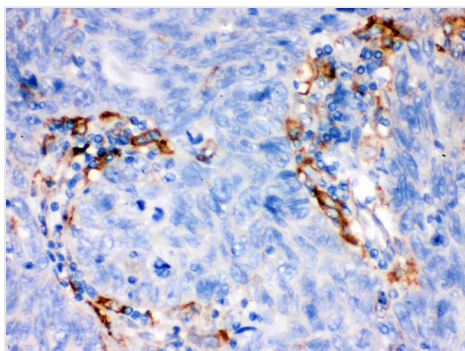
PRODUCT SYNONYMS

FCGRT; Polyclonal Antibody; Anti-FCGRT Antibody; IgG receptor FcRn large subunit p51; Alpha chain; Fc fragment of IgG; receptor transporter; alpha; FCGRN_HUMAN; FcRn alpha chain; FcRn; FCRN; alpha chain; IgG Fc fragment receptor transporter alpha chain; IgG Gc receptor; IgG receptor FcRn large subunit p51 precursor; Immunoglobulin receptor; intestinal; heavy chain; Neonatal Fc receptor; Fc fragment of IgG receptor and transporter; anti-FCGRT antibody

PRODUCT SPECIFICATIONS

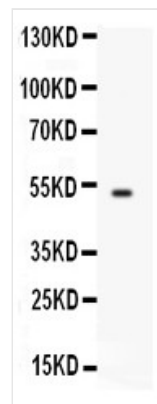
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	365
Applicable Applications for anti-FCGRT antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human FCGRT recombinant protein (Position: Q56-E291). Human FCGRT shares 70.2% and 68.9% amino acid (aa) sequence identity with mouse and rat FCGRT, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

FCGRT was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti-FCGRT Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of FCGRT expression in A549 whole cell lysates (lane 1). FCGRT at 50KD was detected using rabbit anti-FCGRT Antigen Affinity purified polyclonal antibody at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-FCGRT antibody	Description: Rabbit IgG polyclonal antibody for IgG receptor FcRn large subunit p51(FCGRT) detection. Tested with WB, IHC-P in Human. Background: IgG receptor FcRn large subunit p51 is a protein that in humans is encoded by the FCGRT gene. This gene encodes a receptor that binds the Fc region of monomeric immunoglobulin G. The encoded protein transfers immunoglobulin G antibodies from mother to fetus across the placenta. This protein also binds immunoglobulin G to protect the antibody from degradation. In addition, it is postulated that long-range cis inactivation of the FCGRT gene is responsible for hypercatabolism of IgG in myotonic dystrophy. The FCGRT gene is closely situated to the DMPK gene, which is mutant in DM.
References	1. Chaudhury C, Mehnaz S, Robinson JM, Hayton WL, Pearl DK, Roopenian DC, Anderson CL (February 2003). "The major histocompatibility complex-related Fc receptor for IgG (FcRn) binds albumin and prolongs its lifespan". J. Exp. Med. 197 (3): 315-22. 2. Junghans, R. P., Ebralidze, A., Tiwari, B. Does (CUG)n repeat in DMPK mRNA 'paint' chromosome 19 to suppress distant genes to create the diverse phenotype of myotonic dystrophy? A new hypothesis of long-range cis autosomal inactivation. Neurogenetics 3: 59-67, 2001. 3. Kandil E, Egashira M, Miyoshi O, Niikawa N, Ishibashi T, Kasahara M, Miyosi O (July 1996). "The human gene encoding the heavy chain of the major histocompatibility complex class I-like Fc receptor (FCGRT) maps to 19q13.3". Cytogenet. Cell Genet. 73 (1-2): 97-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	209862839
NCBI GeneID	2217
NCBI Accession #	NP_001129491.1
NCBI GenBank Nucleotide #	NM_001136019.2
UniProt Accession #	P55899; Q5HYM5; Q9HBV7; Q9NZ19
Molecular Weight	39,743 Da
NCBI Official Full Name	IgG receptor FcRn large subunit p51
NCBI Official Synonym Full Names	Fc fragment of IgG receptor and transporter
NCBI Official Symbol	FCGRT
NCBI Official Synonym Symbols	FCRN; alpha-chain
NCBI Protein Information	IgG receptor FcRn large subunit p51
UniProt Protein Name	IgG receptor FcRn large subunit p51
UniProt Gene Name	FCGRT
UniProt Synonym Gene Names	FCRN; FcRn
UniProt Entry Name	FCGRN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/fcgrt-antibody-immunohistochemistry-western-blot-elisa/46399>