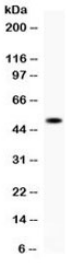
FCGRT Antibody / FcRn (R32263)

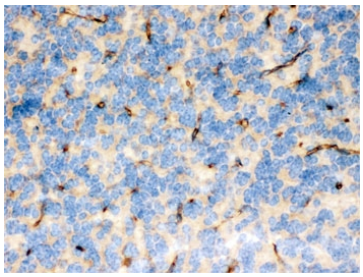
Catalog No.	Formulation	Size
R32263	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q61559
Localization	Cytoplasmic
Applications	Western blot: 0.1-0.5ug/ml IHC (FFPE): 0.5-1ug/ml ELISA: 0.1-0.5ug/ml (mouse protein tested); request BSA-free format for coating
Limitations	This FCGRT antibody is available for research use only.



FCGRT Antibody Mouse Liver WB. Western blot testing of mouse liver lysate with FCGRT antibody. Expected molecular weight ~51 kDa.



FCGRT Antibody Mouse Brain IHC. Immunohistochemistry testing of FFPE mouse brain with FCGRT antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Description

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.

Researchers studying IgG recycling, Fc-mediated transport, and therapeutic antibody pharmacokinetics may also benefit from the FCGRT Antibody / Neonatal Fc Receptor page featuring HuProt specificity validation together with immunohistochemistry analysis of endogenous FcRn expression in human tissues.

Application Notes

Optimal dilution of the FCGRT antibody should be determined by the researcher.

Immunogen

Amino acids 54-291 of mouse FCGRT were used as the immunogen for the FCGRT antibody.

Storage

After reconstitution, the FCGRT antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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