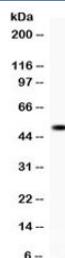


## FCGRT Antibody / FcRn (R32263)

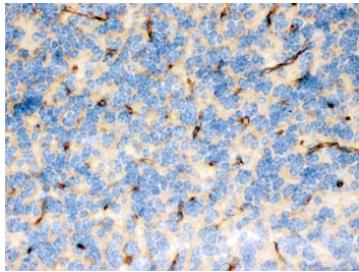
| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| R32263      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

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



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



IHC 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.

## 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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.