

For Research Use Only

FcRn-Specific Polyclonal antibody, PBS Only

Catalog Number: 16190-1-PBS

Featured Product



Basic Information

Catalog Number:

16190-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_004107

GeneID (NCBI):

2217

UNIPROT ID:

P55899

Full Name:

Fc fragment of IgG, receptor, transporter, alpha

Calculated MW:

40 kDa

Observed MW:

40 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human

Background Information

The neonatal Fc receptor for IgG (FcRn) is a membrane-associated receptor which acts as a key determinant of IgG homeostasis. FcRn is similar in structure to major histocompatibility class I molecules. It is a heterodimer composed of a alpha chain associated with β 2-microglobulin. FcRn transfers IgG from the mother to the fetus across the placenta and the proximal small intestine. In addition, throughout life, FcRn protects IgG from degradation and thus regulates the serum half-life of IgG (PMID: 17703228).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

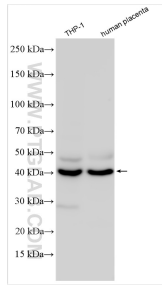
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

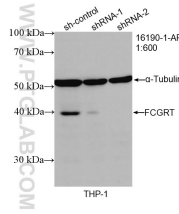
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

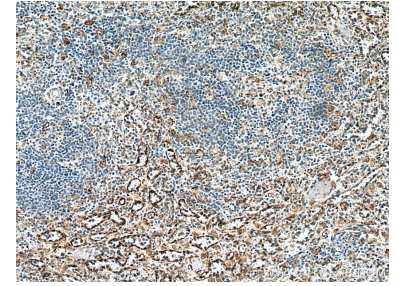
Selected Validation Data



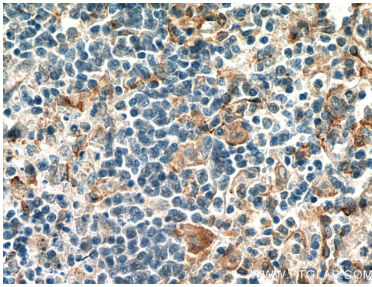
Various lysates were subjected to SDS PAGE followed by western blot with 16190-1-AP (FcRn-Specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 16190-1-PBS in a different storage buffer formulation.



WB result of FcRn-Specific antibody (16190-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-FcRn-Specific transfected THP-1 cells. This data was developed using the same antibody clone with 16190-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 16190-1-AP (FcRn-Specific antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16190-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 16190-1-AP (FcRn-Specific antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16190-1-PBS in a different storage buffer formulation.