

For Research Use Only

EXTL3 Polyclonal antibody, PBS Only

Catalog Number:10588-1-PBS



Basic Information

Catalog Number:

10588-1-PBS

Concentration:

1mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0936

GenBank Accession Number:

BC006363

GeneID (NCBI):

2137

UNIPROT ID:

O43909

Full Name:

exostoses (multiple)-like 3

Calculated MW:

105 kDa

Observed MW:

105 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

IP, ELISA

Species Specificity:

human, mouse

Background Information

Exostosin like glycosyltransferase 3 (EXTL3), also known as RPR, is located at chromosome 8p21.1 and composed of 919 amino acids, making it the longest member of the EXT family (PMID: 35676258). EXTL3 encodes the glycosyltransferases responsible for the biosynthesis of the backbone structure of heparan sulfate (HS) (PMID: 24128412). EXTL3 has been identified as a receptor molecule for regenerating islet-derived (REG) protein ligands, which have been shown to stimulate islet β -cell growth. Mutations in EXTL3 could lead to skeletal dysplasia, developmental delay, and severe immune deficiency (PMID: 28148688). The predicted molecular weight is 105 kDa, but we detected the band at 65 kDa perhaps due to alternative splicing (PMID: 14618397).

Storage

Storage:

Store at -80°C .

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

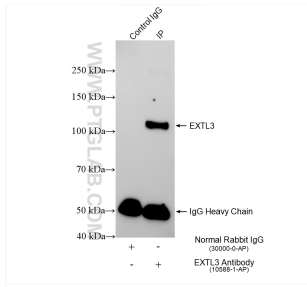
T: 4006900926

E: Proteintech-CN@ptglab.com

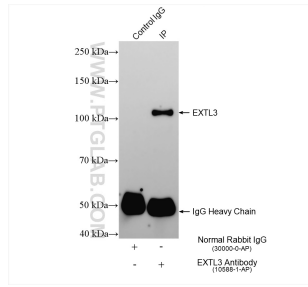
W: ptgcn.com

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Selected Validation Data



IP result of anti-EXTL3 (IP:10588-1-AP, 4ug; Detection:10588-1-AP 1:1000) with mouse pancreas tissue lysate 3200 ug. This data was developed using the same antibody clone with 10588-1-PBS in a different storage buffer formulation.



IP result of anti-EXTL3 (IP:10588-1-AP, 4ug; Detection:10588-1-AP 1:1000) with HEK-293T cells lysate 1840 ug. This data was developed using the same antibody clone with 10588-1-PBS in a different storage buffer formulation.