For Research Use Only

Siglec-6 Polyclonal antibody

Catalog Number:13454-1-AP 1 Publications

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Basic Information

Catalog Number:
13454-1-AP

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG4281

GenBank Accession Number:
BC035359

GeneID (NCBI):
946

UNIPROT ID:
O43699

Full Name:
sialic acid binding Ig-like lectin 6

Calculated MW:
426 aa, 47 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IHC: 1:500-1:2000

Applications

Tested Applications:
IHC, ELISA

Cited Applications:
WB

Species Specificity:
human

Cited Species:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : human placenta tissue,

Background Information

Siglec-6, originally identified on trophoblast cells of the placenta, is highly and consistently expressed on MCs from both mucosal and non-mucosal sites. Siglec-6 consists of 3 extracellular immunoglobulin (Ig) domains and 2 intracellular immunoreceptor tyrosine-based inhibition motifs (ITIMs), closely resembling the molecular structure of Siglec-3 (CD33) (PMID: 34289026). Siglec-6 was recruited to placental expression during human evolution, presumably to interact with sialylated ligands for specific negative signaling functions and/or to regulate leptin availability (PMID: 17580316). Siglec-6 is an immunoreceptor tyrosine-based inhibitory motif (ITIM)-bearing receptor selectively expressed by mast cells, making it a promising target for therapeutic intervention (PMID: 35406705).

Notable Publications

Author	Pubmed ID	Journal	Application
Xinyue Dong	39111624	J Adv Res	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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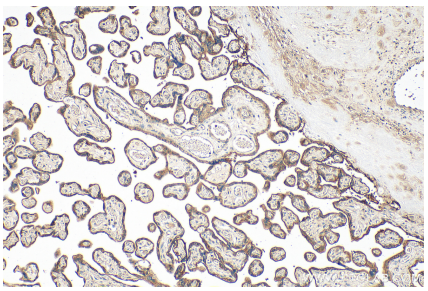
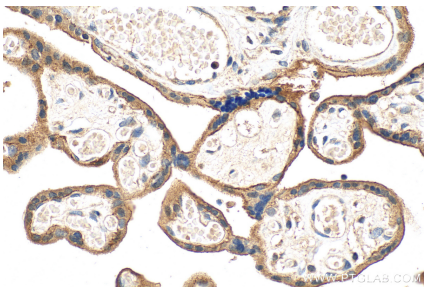
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 13454-1-AP (Siglec-6 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 13454-1-AP (Siglec-6 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).