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SIGLEC3/CD33 Rabbit mAb

Catalog No.: A27466 Recombinant

Basic Information

Observed MW
70-100 kDa

Calculated MW
40 kDa/34 kDa/25 kDa

Category
Primary antibody

Applications
WB,IP,IHC-P,ELISA

Cross-Reactivity
Human

CloneNo number
ARC3486

Background

Enables protein phosphatase binding activity; protein tyrosine phosphatase activator activity; and sialic acid binding activity. Involved in several processes, including immune response-regulating signaling pathway; negative regulation of cytokine production; and negative regulation of monocyte activation. Located in Golgi apparatus; external side of plasma membrane; and peroxisome.

Recommended Dilutions

WB	1:2000 - 1:10000
IP	0.5 μg - 4 μg antibody for 400 μg - 600 μg extracts of whole cells
IHC-P	1:100 - 1:400
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
945

Swiss Prot
P20138

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
p67; SIGLEC3; SIGLEC-3; CD33rSiglec

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃

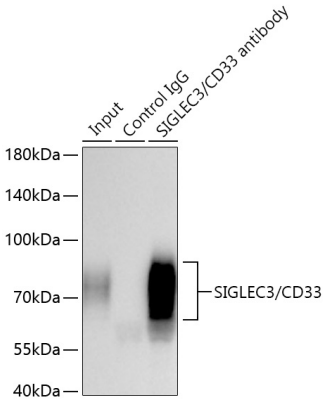
Contact

400-999-6126

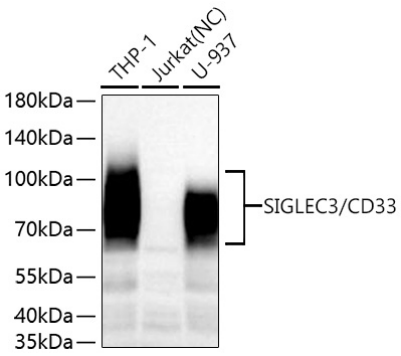
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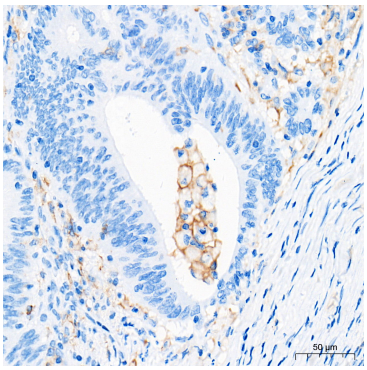
Validation Data



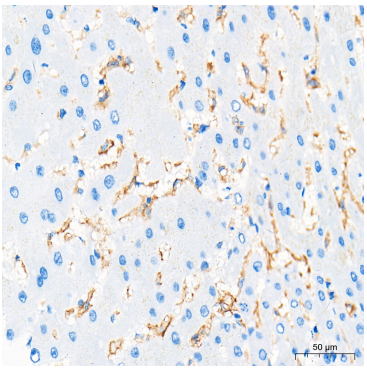
Immunoprecipitation of SIGLEC3/CD33 from 400 µg extracts of THP-1 cells was performed using 1 µg of SIGLEC3/CD33 Rabbit mAb (A27466). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using SIGLEC3/CD33 Rabbit mAb (A27466) at a dilution of 1:2000.



Western blot analysis of various lysates using SIGLEC3/CD33 Rabbit mAb (A27466) at 1:5000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): Jurkat.
Exposure time: 45 s.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using SIGLEC3/CD33 Rabbit mAb (A27466) at a dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using SIGLEC3/CD33 Rabbit mAb (A27466) at a dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.