

[KO Validated] Integrin alpha 2 (ITGA2/CD49b) Rabbit mAb

Catalog No.: A19068 KO Validated Recombinant

Basic Information

Observed MW

150kDa

Calculated MW

129kDa

Category

Primary antibody

Applications

WB,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC0457

Background

This gene encodes the alpha subunit of a transmembrane receptor for collagens and related proteins. The encoded protein forms a heterodimer with a beta subunit and mediates the adhesion of platelets and other cell types to the extracellular matrix. Loss of the encoded protein is associated with bleeding disorder platelet-type 9. Antibodies against this protein are found in several immune disorders, including neonatal alloimmune thrombocytopenia. This gene is located adjacent to a related alpha subunit gene. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB 1:1000 - 1:6000

IHC-P 1:200 - 1:800

ELISA Recommended starting concentration is 1 μg/mL.

Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID3673

Swiss Prot
P17301

Immunogen

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

Synonyms

BR; GPIa; CD49B; HPA-5; VLA-2; VLAA2; b)

Contact

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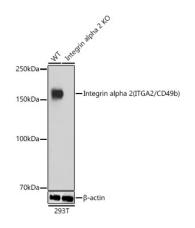
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



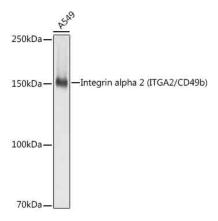
Western blot analysis of lysates from wild type(WT) and Integrin alpha 2 (ITGA2/CD49b) knockout (KO) 293T cells, using [KO Validated] Integrin alpha 2 (ITGA2/CD49b) Rabbit mAb (A19068) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Western blot analysis of lysates from A549 cells, using [KO Validated] Integrin alpha 2 (ITGA2/CD49b) Rabbit mAb (A19068) at 1:1000 dilution.

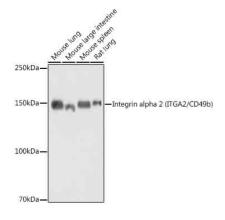
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Western blot analysis of various lysates, using [KO Validated] Integrin alpha 2 (ITGA2/CD49b) Rabbit mAb (A19068) at 1:1000 dilution.

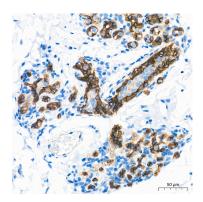
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

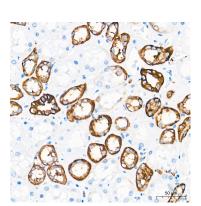
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

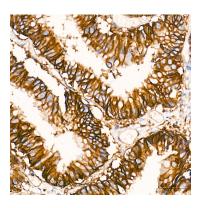
Exposure time: 10s.



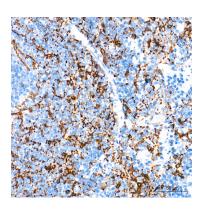
Immunohistochemistry analysis of paraffinembedded Human breast tissue using [KO Validated] Integrin alpha 2 (ITGA2/CD49b) Rabbit mAb (A19068) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



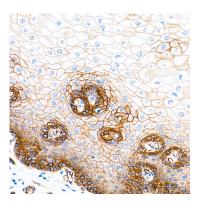
Immunohistochemistry analysis of paraffinembedded Human kidney tissue using [KO Validated] Integrin alpha 2 (ITGA2/CD49b) Rabbit mAb (A19068) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



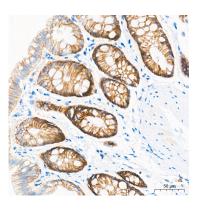
Immunohistochemistry analysis of paraffinembedded Human colon carcinoma tissue using [KO Validated] Integrin alpha 2 (ITGA2/CD49b) Rabbit mAb (A19068) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse spleen tissue using [KO Validated] Integrin alpha 2 (ITGA2/CD49b) Rabbit mAb (A19068) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Human esophagus tissue using [KO Validated] Integrin alpha 2 (ITGA2/CD49b) Rabbit mAb (A19068) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Rat colon tissue using [KO Validated] Integrin alpha 2 (ITGA2/CD49b) Rabbit mAb (A19068) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.