Integrin beta 3 (ITGB3/CD61) Rabbit mAb

Catalog NO.: A19073 Recombinant 13 Publications

Basic Information

Observed MW
100 kDa

Calculated MW
87 kDa

Category
Monoclonal Antibodies

Applications
WB, IP, FC (intra), ELISA

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

Clone number
ARC0460

Background

The ITGB3 protein product is the integrin beta chain beta 3. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. Integrin beta 3 is found along with the alpha IIb chain in platelets. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling.

Recommended Dilutions

WB 1:1000 - 1:5000

IP
0.5 µg - 4 µg antibody for 200 µg - 400 µg extracts of whole cells

FC (intra) 1:50 - 1:200

ELISA
Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
3690

Swiss Prot
P05106

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

Synonyms
GT; GT2; CD61; GP3A; BDPLT2; GPIIIa; BDPLT16; BDPLT24; Integrin beta 3 (ITGB3/CD61)

Contact

Product Information

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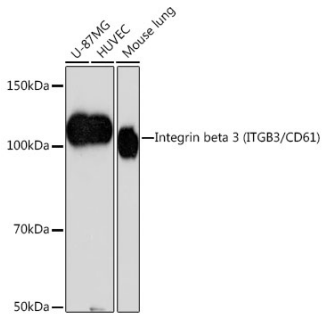
Source
Rabbit

Isotype
IgG

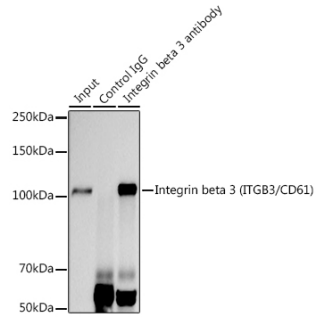
Purification
Affinity purification

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.

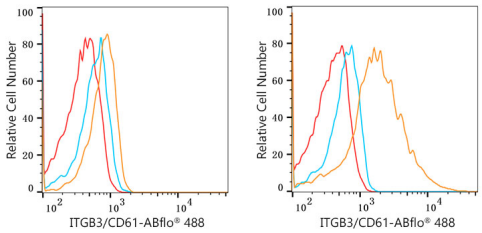
Validation Data



Western blot analysis of various lysates using Integrin beta 3 (ITGB3/CD61) Rabbit mAb (A19073) 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: 90s.



Immunoprecipitation analysis of 300 µg extracts of U-87MG cells using 3 µg Integrin beta 3 (ITGB3/CD61) antibody (A19073). Western blot was performed from the immunoprecipitate using Integrin beta 3 (ITGB3/CD61) antibody (A19073) at a dilution of 1:1000.



Flow cytometry:1X10^6 U-937 cells (negative control,left) and HEL cells (right) were intracellularly-stained with Integrin beta 3 (ITGB3/CD61) Rabbit mAb(A19073, 2.5 µg/mL,orange line) or Rabbit IgG isotype control (AC042, 2.5 µg/mL,blue line),followed by FITC conjugated goat anti-rabbit pAb(1:200 dilution) staining. Non-fluorescently stained cells were used as blank control (red line).