

[KD Validated] Integrin alpha 5 (ITGA5/CD49e) Rabbit mAb

Catalog No.: A22706 **Recombinant**

Basic Information

Observed MW

150kDa

Calculated MW

115kDa

Category

Primary antibody

Applications

WB, IF/ICC, ELISA

Cross-Reactivity

Human

CloneNo number

ARC58291

Background

The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha subunit and a beta subunit that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha 5 subunit. This subunit associates with the beta 1 subunit to form a fibronectin receptor. This integrin may promote tumor invasion, and higher expression of this gene may be correlated with shorter survival time in lung cancer patients. Note that the integrin alpha 5 and integrin alpha V subunits are encoded by distinct genes.

Recommended Dilutions

WB 1:500 - 1:1000**IF/ICC** 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 ID

3678

Swiss Prot

P08648

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

FNRA; CD49e; VLA-5; VLA5A; [KD Validated] Integrin alpha 5 (ITGA5/CD49e)

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

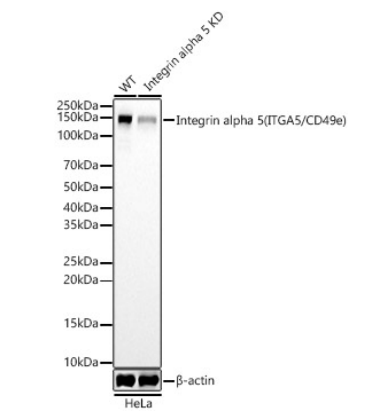
Affinity purification

Storage

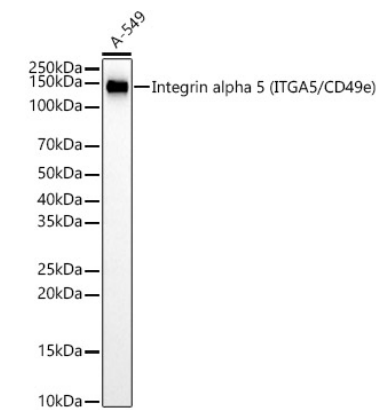
Store at -20°C. Avoid freeze / thaw cycles.

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.

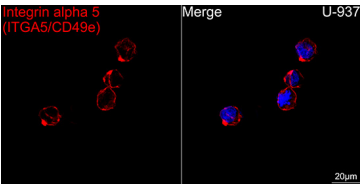
Validation Data



Western blot analysis of lysates from wild type(WT) and Integrin alpha 5 (ITGA5/CD49e) knockdown (KD) HeLa cells, using [KD Validated] Integrin alpha 5 (ITGA5/CD49e) Rabbit mAb (A22706) 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: 60s.



Western blot analysis of lysates from A-549 cells, using [KD Validated] Integrin alpha 5 (ITGA5/CD49e) Rabbit mAb (A22706) 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: 60s.



Confocal imaging of U-937 cells using [KD Validated] Integrin alpha 5 (ITGA5/CD49e) Rabbit mAb (A22706, dilution 1:500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.