

Integrin β1 Rabbit mAb (AR1279)

Key Features

| | |
|---------------|---|
| Host Species: | Rabbit |
| Reactivity: | Human,Mouse,Rat |
| Applications: | WB,IHC,IF,ELISA |
| Isotype: | IgG,Kappa |
| MW: | 88kD (Calculated) 115-125kD (Observed) |

Recommended Dilution Ratios

| | |
|--------|--------------|
| IHC: | 1:2000-10000 |
| WB: | 1:2000-10000 |
| IF: | 1:200-1000 |
| ELISA: | 1:5000-20000 |

| | |
|---------|---|
| Storage | -15°C to -25°C/1 year (Do not lower than -25°C) |
|---------|---|

Basic Information

| | |
|-----------|------------|
| Clonality | Monoclonal |
|-----------|------------|

Immunogen Information

| | |
|-------------|------------|
| Specificity | Endogenous |
|-------------|------------|

Target Information

| | |
|-----------|-------|
| Gene name | ITGB1 |
|-----------|-------|

| | |
|--------------|-----------------|
| Protein Name | Integrin beta-1 |
|--------------|-----------------|

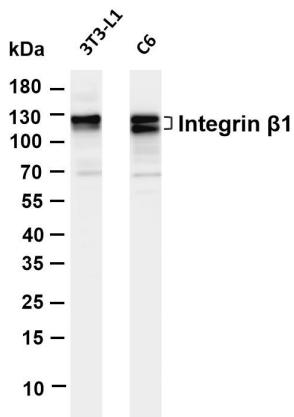
| Organism | Gene ID | UniProt ID |
|----------|---------|------------|
| Human | 3688 | P05556 |
| Mouse | 16412 | P09055 |
| Rat | 24511 | P49134 |

| | |
|-----------------------|----------|
| Cellular Localization | Membrane |
|-----------------------|----------|

[Isoform 1]: Widely expressed, other isoforms are generally coexpressed with a more restricted distribution. ; [Isoform 2]: Expressed in skin, liver, skeletal muscle, cardiac muscle, placenta, umbilical vein endothelial cells, neuroblastoma cells, lymphoma

cells, hepatoma cells and astrocytoma cells; [Isoform 3]: Together with isoform 4, is expressed in muscle, kidney, liver, placenta, cervical epithelium, umbilical vein endothelial cells, fibroblast cells, embryonal kidney cells, platelets and several blood cell lines. Expressed in non-proliferating and differentiated prostate gland epithelial cells and in platelets, on the surface of erythroleukemia cells and in various hematopoietic cell lines; [Isoform 4]: Together with isoform 3, is expressed in muscle, kidney, liver, placenta, cervical epithelium, umbilical vein endothelial cells, fibroblast cells, embryonal kidney cells, platelets and several blood cell lines. Rather than isoform 3, is selectively expressed in peripheral T-cells. ; [Isoform 5]: Expressed specifically in striated muscle (skeletal and cardiac muscle).

Validation Data



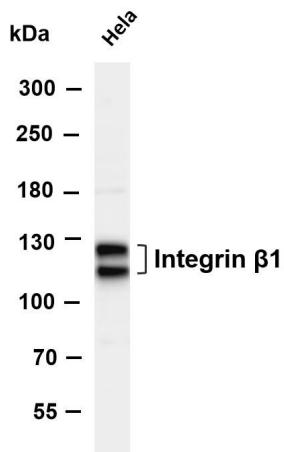
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Integrin β1 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.

Lane 1: 3T3-L1

Lane 2: C6

Predicted band size: 88kDa

Observed band size: 115-125kDa

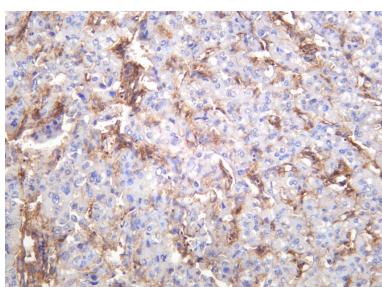


Various whole cell lysates were separated by 4-8% SDS-PAGE, and the membrane was blotted with anti-Integrin β1 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.

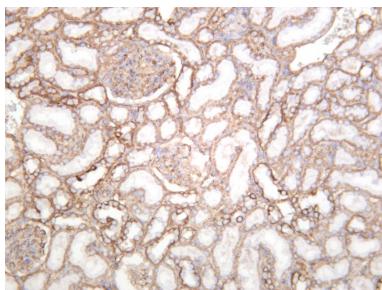
Lane 1: Hela

Predicted band size: 88kDa

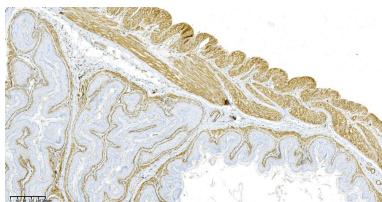
Observed band size: 115-125kDa



Human hepatocellular carcinoma was stained with anti-Integrin β1 rabbit antibody.



Rat kidney was stained with anti-Integrin $\beta 1$ rabbit antibody



Mouse stomach was stained with anti-Integrin $\beta 1$ Rabbit antibody

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