antibodies - online.com







anti-ITGA7 antibody (AA 175-283)





Overview

| Quantity: | 100 μg |
|----------------------|--------------------------------------|
| Target: | ITGA7 |
| Binding Specificity: | AA 175-283 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ITGA7 antibody is un-conjugated |
| Application: | ELISA, Immunofluorescence (IF) |

Product Details

| Immunogen: | Recombinant Human Integrin alpha-7 protein (175-283AA) |
|-------------------|--|
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | >95%, Protein G purified |

Target Details

| Target: | ITGA7 |
|-------------------|---|
| Alternative Name: | ITGA7 (ITGA7 Products) |
| Background: | Background: Integrin alpha-7/beta-1 is the primary laminin receptor on skeletal myoblasts and |
| | adult myofibers. During myogenic differentiation, it may induce changes in the shape and |

mobility of myoblasts, and facilitate their localization at laminin-rich sites of secondary fiber formation. It is involved in the maintenance of the myofibers cytoarchitecture as well as for their anchorage, viability and functional integrity. Isoform Alpha-7X2B and isoform Alpha-7X1B promote myoblast migration on laminin 1 and laminin 2/4, but isoform Alpha-7X1B is less active on laminin 1 (In vitro). Acts as Schwann cell receptor for laminin-2. Acts as a receptor of COMP and mediates its effect on vascular smooth muscle cells (VSMCs) maturation (By similarity). Required to promote contractile phenotype acquisition in differentiated airway smooth muscle (ASM) cells.

Aliases: alpha 7 antibody, FLJ25220 antibody, Integrin alpha 7 antibody, Integrin alpha 7 chain antibody, Integrin alpha 7 heavy chain antibody, Integrin alpha 7 light chain antibody, Integrin alpha-7 70 kDa form antibody, ITA7_HUMAN antibody, ITGA 7 antibody, Itga7 antibody

UniProt:

013683

Pathways:

Integrin Complex

Application Details

Application Notes:

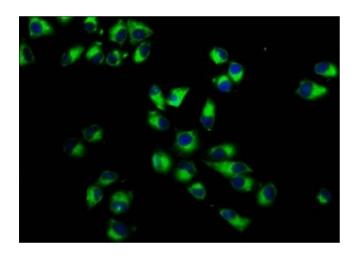
Recommended dilution: IF:1:200-1:500,

Restrictions:

For Research Use only

Handling

| Format: | Liquid |
|--------------------|---|
| Buffer: | Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4 |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |



Immunofluorescence

Image 1. Immunofluorescence staining of Hela cells with ABIN7156450 at 1:233, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).