

Itga7 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI12558

Product Information

Application	WB
Primary Accession	Q63258
Other Accession	NM_030842 , NP_110469
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	124194

Additional Information

Gene ID	81008
Alias Symbol	MGC105724, Itga7
Other Names	Integrin alpha-7, H36-alpha7, Integrin alpha-7 heavy chain, Integrin alpha-7 light chain, Integrin alpha-7 70 kDa form, Itga7
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Itga7 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Itga7 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Itga7
Function	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. Involved in the maintenance of the myofibers cytoarchitecture as well as for their anchorage, viability and functional integrity. Required to promote contractile phenotype acquisition in differentiated airway smooth muscle (ASM) cells (By similarity). Acts as a Schwann cell receptor for laminin-2. Acts as a receptor of COMP and mediates its effect on vascular smooth muscle cells (VSMCs) maturation.

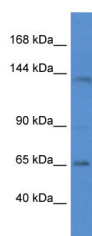
Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

Expressed in skeletal and cardiac muscle. Expressed in replicating myoblasts. In differentiated muscle fibers localizes between fibers and the surrounding matrix. Isoform Alpha-7X1A and isoform Alpha-7X1B are expressed at myotendinous and neuromuscular junctions; isoform Alpha-7X1C is expressed at neuromuscular junctions and at extrasynaptic sites.

Images



WB Suggested Anti-Itga7 Antibody Titration: 1.0 µg/ml
Positive Control: Rat Liver

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.