## **German Research Products - GRP GmbH**

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## **Product Datasheet**

## Integrin alpha 7 Polyclonal Antibody GRP435

**Description** 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.

Species/Host Rabbit

Reactivity Human, Mouse, Rat

Conjugation Unconjugated

Tested Applications IHC-P, WB

Immunogen KLH conjugated synthetic peptide derived from human Integrin

alpha 7 (public\_immunogen\_range: 730-780/1181)

Form/Appearance Aqueous buffered solution containing 1% BSA, 50% glycerol and

0.09% sodium azide.

Concentration 1ug/ul

Storage Store at -20°C for 12 months.

**Note** For research use only.

Isotype IgG

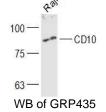
**Clonality** Polyclonal

**Purity** Purified by Protein A.

Uniprot ID Q13683

Entrez 3679

**Dilution Range** WB: 1:300-1000, IHC-P: 1:200-400





IHC-P of GRP435