

Datasheet: VPA00525

**BATCH NUMBER 160712**

|                      |                              |
|----------------------|------------------------------|
| <b>Description:</b>  | RABBIT ANTI INTEGRIN ALPHA 7 |
| <b>Specificity:</b>  | INTEGRIN ALPHA 7             |
| <b>Format:</b>       | Purified                     |
| <b>Product Type:</b> | PrecisionAb Polyclonal       |
| <b>Isotype:</b>      | Polyclonal IgG               |
| <b>Quantity:</b>     | 100 µl                       |

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

|                  | Yes | No | Not Determined | Suggested Dilution |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ▪   |    |                | 1/1000             |

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

|                                 |  |
|---------------------------------|--|
| <b>Target Species</b>           | Human  |
| <b>Product Form</b>             | Purified IgG - liquid.   |
| <b>Preparation</b>              | Rabbit polyclonal antibody purified by affinity chromatography.                                  |
| <b>Buffer Solution</b>          | Phosphate buffered saline.   |
| <b>Preservative Stabilisers</b> | 0.09% Sodium Azide (NaN <sub>3</sub> ).  |
| <b>Immunogen</b>                | KLH conjugated synthetic peptide corresponding to amino acid 1149-1181 of human integrin alpha 7 |

### External Database Links

**UniProt:**

[Q13683](#)

[Related reagents](#)

**Entrez Gene:**[3679](#) ITGA7 [Related reagents](#)

---

**Specificity** **Rabbit anti Human integrin alpha 7 antibody** recognizes integrin alpha 7, also known as ITGA7.

The protein encoded by the ITGA7 gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. They mediate a wide spectrum of cell-cell and cell-matrix interactions, and thus play a role in cell migration, morphologic development, differentiation, and metastasis. This protein functions as a receptor for the basement membrane protein laminin-1. It is mainly expressed in skeletal and cardiac muscles and may be involved in differentiation and migration processes during myogenesis. Defects in ITGA7 are associated with congenital myopathy ([MDCI](#)). Alternatively spliced transcript variants encoding different isoforms have been noted for ITGA7 (provided by RefSeq, Feb 2009).

Rabbit anti Human integrin alpha 7 antibody detects a band of 112 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

---

**Western Blotting** Anti Integrin alpha 7 detects a band of approximately 112 kDa in Raji cell lysates.

---

**Storage** Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

---

**Guarantee** 12 months from date of despatch

---

**Acknowledgements** PrecisionAb is a trademark of Bio-Rad Laboratories

---

**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VPA00525>  
Antibody (10040)

---

**Regulatory** For research purposes only.

---

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
'M370839:200529'

Printed on 13 Aug 2023