

Product datasheet

Anti-Integrin alpha 3 antibody [IA3] ab20141

1 References

Overview

Product name	Anti-Integrin alpha 3 antibody [IA3]
Description	Mouse monoclonal [IA3] to Integrin alpha 3
Specificity	Specific to alpha 3 integrin. IA3 is useful for studies on inhibition of cell-cell adhesion and cell-substrate adhesion.
Tested applications	Suitable for: Functional Studies, IHC-Fr
Species reactivity	Reacts with: Human
Immunogen	Cell preparation: Transfected human breast epithelial cell line MTSV1-7, hygromycin resistant.
General notes	Fusion partner: NS2

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: None Constituents: PBS
Purity	Affinity purified
Clonality	Monoclonal
Clone number	IA3
Isotype	IgG1
Light chain type	unknown

Applications

Our [Abpromise guarantee](#) covers the use of **ab20141** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

Application	Abreviews	Notes
IHC-Fr		Use at an assay dependent concentration.

Target

Function	Integrin alpha-3/beta-1 is a receptor for fibronectin, laminin, collagen, epiligrin, thrombospondin and CSPG4. Alpha-3/beta-1 may mediate with LGALS3 the stimulation by CSPG4 of endothelial cells migration.
Tissue specificity	Isoform alpha-3A is widely expressed. Isoform alpha-3B is expressed in brain and heart. In brain, both isoforms are exclusively expressed on vascular smooth muscle cells, whereas in heart isoform alpha-3A is strongly expressed on vascular smooth muscle cells, isoform alpha-3B is detected only on endothelial vein cells.
Sequence similarities	Belongs to the integrin alpha chain family. Contains 7 FG-GAP repeats.
Post-translational modifications	Isoform alpha-3A, but not isoform alpha-3B, is phosphorylated on serine residues. Phosphorylation increases after phorbol 12-myristate 13-acetate stimulation. Isoform alpha-3A is phosphorylated on Tyr-1051.
Cellular localization	Membrane.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors