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# Integrin alpha 9 Rabbit mAb

Catalog # AP76993

## Product Information

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|---|---|
| **Application** | WB, IHC-P |
| **Primary Accession** | Q13797 |
| **Reactivity** | Rat, Human, Mouse |
| **Host** | Rabbit |
| **Clonality** | Monoclonal Antibody |
| **Isotype** | IgG |
| **Conjugate** | Unconjugated |
| **Purification** | Affinity Chromatography |
| **Calculated MW** | 114489 |

## Additional Information

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|---|---|
| **Gene ID** | 3680 |
| **Other Names** | ITGA9 |
| **Dilution** | WB~~1:1000 IHC-P~~N/A |
| **Format** | Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol. |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

## Protein Information

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|---|---|
| **Name** | ITGA9 |
| **Function** | Integrin alpha-9/beta-1 (ITGA9:ITGB1) is a receptor for VCAM1, cytotactin and osteopontin. It recognizes the sequence A-E-I-D- G-I-E-L in cytotactin. ITGA9:ITGB1 may play a crucial role in SVEP1/polydom-mediated myoblast cell adhesion (By similarity). Integrin ITGA9:ITGB1 represses PRKCA-mediated L-type voltage-gated channel Ca(2+) influx and ROCK-mediated calcium sensitivity in vascular smooth muscle cells via its interaction with SVEP1, thereby inhibiting vasocontraction (PubMed:35802072). |
| **Cellular Location** | Membrane; Single-pass type I membrane protein |
| **Tissue Location** | Expressed in vascular smooth muscle cells (at protein level) (PubMed:35802072). Expressed in the airway epithelium (at protein level) (PubMed:8245132). |

## Background

Integrin alpha-9/beta-1 is a receptor for VCAM1, cytotactin and osteopontin. It recognizes the sequence A-E-I-D-G-I-E-L in cytotactin.

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