

Datasheet for ABIN3044222  
**anti-ITGA3 antibody (N-Term)**



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5 Images

## Overview

Quantity:	100 µg
Target:	ITGA3
Binding Specificity:	AA 51-67, N-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITGA3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Integrin alpha-3(ITGA3) detection. Tested with WB, IHC-P in Human, Mouse, Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human Integrin alpha 3(51-67aa LFGYSVALHRQTERQQR), identical to the related rat and mouse sequences.
Sequence:	LFGYSVALHR QTERQQR
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.
Characteristics:	Rabbit IgG polyclonal antibody for Integrin alpha-3(ITGA3) detection. Tested with WB, IHC-P in

## Product Details

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Human,Mouse,Rat.

Gene Name: integrin, alpha 3(antigen CD49C, alpha 3 subunit of VLA-3 receptor)

Protein Name: Integrin alpha-3

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Purification: Immunogen affinity purified.

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## Target Details

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Target: ITGA3

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Alternative Name: ITGA3 ([ITGA3 Products](#))

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Background: ITGA3(INTEGRIN, ALPHA-3), also called CD49C, VLA3 or GAPB3, is a protein that in humans is encoded by the ITGA3 gene. ITGA3 is an integrin alpha subunit which is also a member of the family of cell surface adhesion molecules. ITGA3 is mapped to chromosome 17 and its exact cytogenetic location is 17q21.33. ITGA3 makes up half of the alpha3beta1 integrin duplex that plays a role in neural migration and corticogenesis together with beta-1 subunit. A functional link between DAB1 phosphorylation and ITGA3 signaling drives the timely detachment of migrating neurons from radial glial fibers. Expression of human ITGA3 increased the infectivity of virus for Chinese hamster ovary cells. ITGA3 also contains 13 potential N-glycosylation sites, 2 potential cleavage sites, and the 7 N-terminal repeating units characteristic of ITGAs. Recombinant ITGA3 is expressed as a 150-kD protein as the same size as the native protein by the western blot analysis.

Synonyms: AA407068 antibody|Antigen identified by monoclonal antibody J143 antibody|CD49 antigen like family member C antibody|CD49 antigen-like family member C antibody|CD49c antibody|CD49c antigen antibody|FLJ34631 antibody|FLJ34704 antibody|FRP 2 antibody|FRP-2 antibody|FRP2 antibody|galactoprotein B3 antibody|GAP B3 antibody|GAPB3 antibody|Integrin alpha 3 antibody|Integrin alpha-3 light chain antibody|Integrin, alpha 3(antigen CD49C, alpha 3 subunit of VLA-3 receptor) antibody|ITA3\_HUMAN antibody|ITGA 3 antibody|ITGA3 antibody|MSK18 antibody|URO1 antibody|VCA 2 antibody|VCA2 antibody|Very late activation protein 3 receptor alpha 3 subunit antibody|Very Late Activation Protein 3 Receptor Alpha 3 Subunit antibody|VL3A antibody|VLA 3 alpha chain antibody|VLA 3 subunit alpha antibody|VLA-3 subunit alpha antibody|VLA3 antibody|VLA3a antibody

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UniProt: [P26006](#)

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Pathways: [CXCR4-mediated Signaling Events](#), [Integrin Complex](#)

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## Application Details

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Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse  
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse,  
Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.  
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.  
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05 mg Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

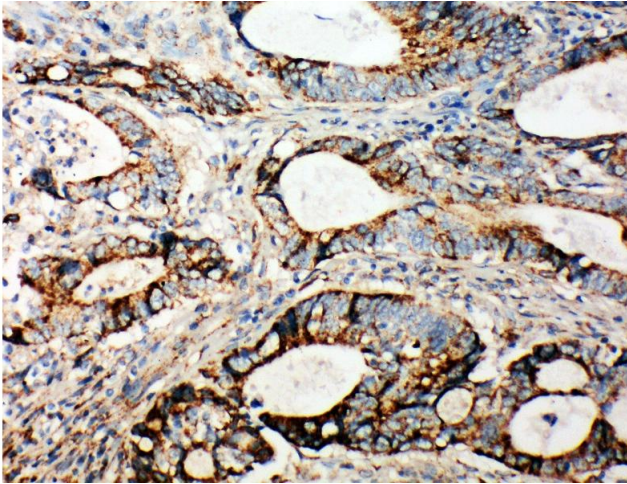
Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

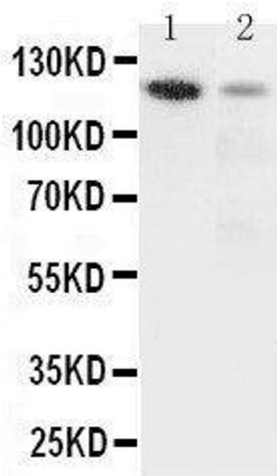
Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Expiry Date: 12 months



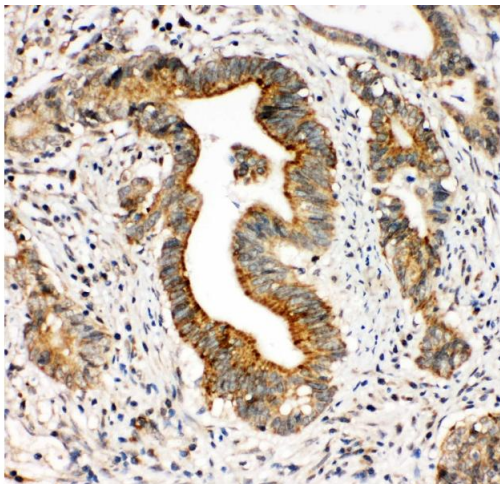
#### Immunohistochemistry

**Image 1.** Anti-Integrin alpha 3 antibody, IHC(P) IHC(P):  
Human Intestinal Cancer Tissue



#### Western Blotting

**Image 2.** Anti-Integrin alpha 3 antibody, Western blotting  
Lane 1: Rat Heart Tissue Lysate Lane 2: HELA Cell Lysate



#### Immunohistochemistry

**Image 3.** Anti-Integrin alpha 3 antibody, IHC(P) IHC(P):  
Human Intestinal Cancer Tissue

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3044222.