

Datasheet for ABIN2469523
anti-ITGA4 antibody (C-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	0.05 mg
Target:	ITGA4
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Monkey, Dog, Pig, Rabbit, Bat, Hamster, Gorilla, Gibbon
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITGA4 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	Integrin alpha 4 antibody was raised against a peptide located in the C-Terminal domain of Integrin alpha 4 (Human).
Specificity:	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purification:	Immunoaffinity Chromatography

Target Details

Target:	ITGA4
Alternative Name:	Integrin alpha 4 (ITGA4 Products)
Background:	ITGA4 encodes integrin alpha chain 4. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. Unlike other integrin alpha chains, alpha 4 neither contains an I-domain, nor undergoes disulfide-linked cleavage. Although alpha 4 is

Target Details

variably cleaved to yield two unlinked chains, this cleavage is unnecessary for integrin assembly and function. Alpha 4 combines with beta 1 (ITGB1) on T-cells to form the integrin very late (activation) antigen 4 (VLA-4) that can bind to the extracellular matrix molecules fibronectin or thrombospondin, and is also a ligand for the cell surface molecule vascular cell adhesion molecule 1 (VCAM-1). In addition, alpha 4 combines with beta 7 to form the lymphocyte homing receptor known as LPAM-1 (lymphocyte Peyer Patch adhesion molecule 1). Integrins are also known to participate in cell-surface mediated signalling.

Gene ID: 3676

UniProt: [P13612](#)

Pathways: [Integrin Complex](#)

Application Details

Application Notes: Integrin alpha 4 antibody can be used in ELISA, Western Blot starting at 1:500 - 1:1000, and immunohistochemistry starting at 5 µg/mL.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS, 0.1 % sodium azide.

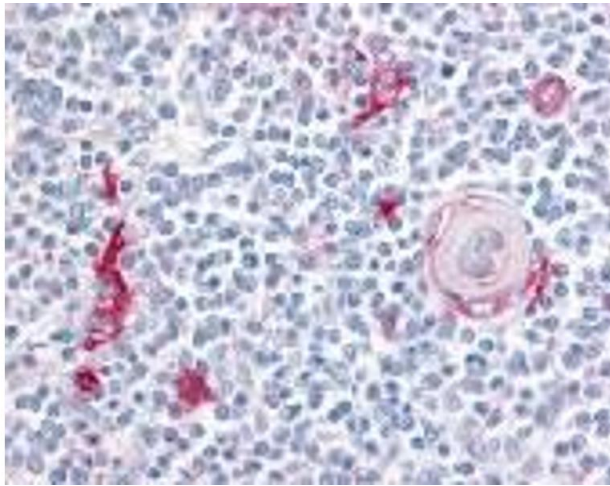
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: As with all antibodies avoid freeze/thaw cycles.

Storage: 4 °C/-80 °C

Storage Comment: Integrin alpha 4 antibody should be stored long term (months) at -80 °C and short term (days) at 4 °C.



Immunohistochemistry

Image 1.