

# ITGA2 Polyclonal Antibody

Catalog NumberPA5-26061

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Published species	Human, Not Applicable
Class	Polyclonal	Tested Applications	
Type	Antibody	Dilution *	
Immunogen	KLH conjugated synthetic peptide between 1023-1049 amino acids from the C-terminal region of human ITGA2	Western Blot (WB)	
		1:1,000	
		* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.5 mg/mL		
Purification	Protein A, Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

## Background/Target Information

CD49b (Integrin alpha 2, Integrin alpha 2 chain, VLA-2 alpha chain, HM alpha 2) is a member of the integrin family. It is a glycoprotein with molecular weight of 150 kD, and it complexes with CD29 (Integrin beta 1) to form the heterodimeric integrin VLA-2 (integrin alpha 2 beta 1, or GPIa/IIa) complex. VLA-2 is an extracellular receptor for laminin, collagen, and fibronectin, and interaction with its ligands results in the activation of intracellular signaling pathways. It has reported roles in VEGF-induced angiogenesis in vivo, as well as adhesion and lymphocyte activation. CD49b is expressed by NK cells, NK-T cells, monocytes, platelets, and epithelial cells. It is also expressed on adaptive immune cells such as T and B cells, specifically on a subset of CD4+ T cells in the spleen, on intraepithelial and lamina propria lymphocytes in the intestine, as well as on a population of peripheral CD4+ type 1 T regulatory (Tr1) cells that co-express LAG-3.

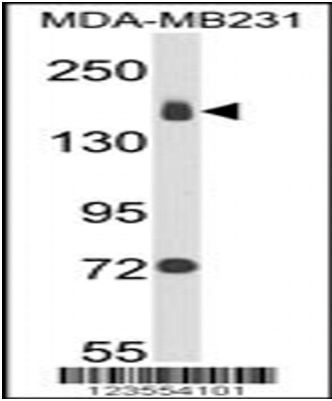
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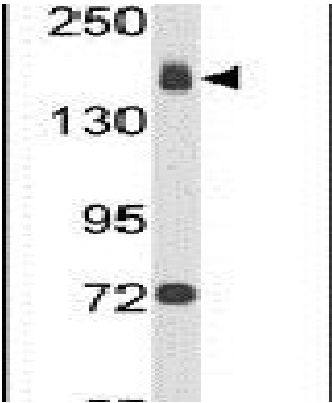
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Product Images For ITGA2 Polyclonal Antibody



ITGA2 Antibody (PA5-26061) in WB

Western blot analysis of ITGA2 in A431 whole cell lysates (20 µg/lane). Samples were probed with an ITGA2 Antibody (C-term) (Product # PA5-26062) at 1:1000 dilution, followed by incubation with a Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1:10000 dilution. Predicted band size : 129 kDa. Blocking/Dilution buffer: 5% NFDM /TBST.



ITGA2 Antibody (PA5-26061) in WB

Western blot analysis using an ITGA2 polyclonal antibody (Product # PA5-26061) in MDA-MB231 cell lysates (35 µg per lane).

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