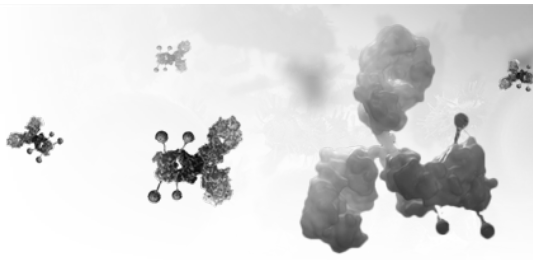

Anti-ITGA2 (aa 30-119) polyclonal antibody (DPAB-DC1736)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes the alpha subunit of a transmembrane receptor for collagens and related proteins. The encoded protein forms a heterodimer with a beta subunit and mediates the adhesion of platelets and other cell types to the extracellular matrix. Loss of the encoded protein is associated with bleeding disorder platelet-type 9. Antibodies against this protein are found in several immune disorders, including neonatal alloimmune thrombocytopenia. This gene is located adjacent to a related alpha subunit gene. Alternative splicing results in multiple transcript variants.
Immunogen	ITGA2 (NP_002194.2, 30 a.a. ~ 119 a.a) partial recombinant protein with GST tag. The sequence is YNVGLPEAKIFSGPSSEQFGYAVQQFINPKGNWLLVGSPWSGFPENRMGDVYKCPVDLST ATCEKLNLQTSTSIPNVTEMKTNMSLGLIL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Gene Name	ITGA2 integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor) [Homo sapiens (human)]
Official Symbol	ITGA2
Synonyms	ITGA2; integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor); BR; GPIa; CD49B; HPA-5; VLA-2; VLAA2; integrin alpha-2; collagen receptor; platelet antigen Br; platelet glycoprotein GPIa; VLA2 receptor, alpha-2 subunit; CD49 antigen-like family member B; platelet membrane glycoprotein Ia; human platelet alloantigen system 5; very late activation protein 2 receptor, alpha-2 subunit;
Entrez Gene ID	3673
Protein Refseq	NP_002194
UniProt ID	P17301
Chromosome Location	5q11.2
Pathway	Arf6 trafficking events; Arrhythmogenic right ventricular cardiomyopathy (ARVC); Axon guidance; CXCR4-mediated signaling events
Function	collagen binding; integrin binding; laminin binding; metal ion binding

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