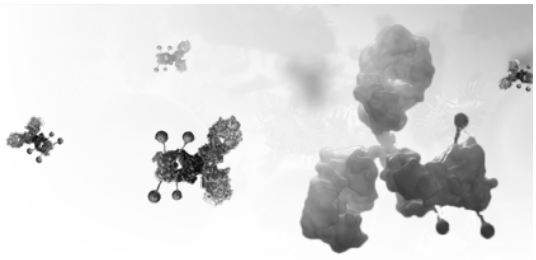

Anti-ITGA2 polyclonal antibody (CPBT-65041RH)

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

PRODUCT INFORMATION

Product Overview	This product detects an epitope within the extracellular domain of human CD49b, also known as integrin alpha-2 (ITGA2). CD49b is a 160kD glycoprotein that non-covalently associates with integrin beta 1 (CD29) to form the VLA-2 complex. This complex is involved in cell adhesion and cell-surface mediated signalling, and functions as a cell surface receptor for many types of collagen. Originally identified on activated human T lymphocytes, this complex was subsequently shown to be present on a wide variety of cell types including fibroblasts and platelets. VLA-2 has been linked to cardiovascular disease, cancer development and metastasis. CD49b has been identified on a subset of regulatory T cells which produce interleukin 10 (IL-10).
Specificity	ITGA2
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	IHC-P
Format	Purified IgG - liquid
Size	50 µg
Preservative	0.1% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a

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precipitate we recommend microcentrifugation before use.

GENE INFORMATION

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 membe
Entrez Gene ID	3673
Protein Refseq	NP_002194
UniProt ID	P17301
Chromosome Location	5q11.2
Pathway	Arf6 trafficking events; Arrhythmogenic right ventricular cardiomyopathy; Arrhythmogenic right ventricular cardiomyopathy (ARVC); Axon guidance; CHL1 interactions; CXCR4-mediated signaling events; Developmental Biology; Dilated cardiomyopathy;
Function	collagen binding; collagen binding involved in cell-matrix adhesion; collagen receptor activity; integrin binding; laminin binding; metal ion binding; protein binding; protein heterodimerization activity; virus receptor activity;

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