

Rabbit Anti-Mouse Integrin Alpha 2 (ITGa2) Polyclonal Antibody

Cat. No.: VD4N512

Product Type: Animal-targeted Antibodies

Size: 100 µL; 200 µL; 1 mL

Product Overview

BioVenic rabbit polyclonal antibody is specific for mouse integrin alpha 2. It is purified by protein A/G. It can be applied to WB, IHC, ICC and IP assays of mouse integrin alpha 2.

Specifications

Application	WB; IHC; ICC; IP
Clonality	Polyclonal
Classification	Primary Antibody
Clone	C4N145
Host	Rabbit
Target Species	Mouse
Species Reactivity	Mouse
Specificity	Mouse Integrin Alpha 2
Isotype	IgG
Immunogen	Recombinant protein of mouse integrin alpha 2
Purification	Protein A/G Purified
Purity	≥ 90%
Concentration	0.5 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.02% Sodium Azide
Buffer	Phosphate Buffered Saline, pH 7.4, with 50% glycerol
Physical State	Liquid

Target Information

Mouse integrin alpha 2 (ITGA2) is a transmembrane glycoprotein subunit encoded by the Itga2 gene in Mus musculus, mapped to chromosome 10. It belongs to the integrin alpha subunit family, featuring a conserved N-terminal von Willebrand factor A domain, multiple epidermal growth factor-like repeats and a transmembrane domain with no cytoplasmic kinase activity. It localizes to cell membrane, with tissue-specific expression in mouse platelets, endothelial cells, fibroblasts and epithelial cells, with low levels in immune cells. The protein forms heterodimers with integrin beta 1 to exert functions, with conserved motifs critical for ligand binding and dimerization. Mouse ITGA2 shares core functional domains with mammalian orthologs, and has distinct ligand affinity differentiating it from other integrin alpha isoforms.

Target	Mouse Integrin Alpha 2
Target Synonym	CD49b; BR; GPIa; VLA-2; VLAA2
Gene ID	16398
UniProt ID	Q62469

Shipping and Storage

This product is shipped with wet ice packs. Store at -20°C on receipt (up to 12 months). Avoid repeated freezing and thawing as this may denature the antibody.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.