ITGB4 monoclonal antibody, clone 450-9D

Catalog # MAB5239 Size 200 ug

Specification

Product Description	Mouse monoclonal antibody raised against native ITGB4.
Immunogen	Native purified human ITGB4.
Host	Mouse
Reactivity	Human
Specificity	450-9D recognizes the human beta4 integrin (also known as CD104), a 205kD glycoprotein which associates with the alpha6 integrin to form the alpha6/beta4 complex. CD104 is expressed on epithelial cells, Schwann cells and various tumour cell lines. 450-9D recognizes an extracellular epitope on the CD104 molecule.
Form	Liquid
Isotype	IgG1
Recommend Usage	Flow Cytometry (10ul of the suggested working dilution (1:25-1:100) to label 10^6 cells in 100ul) Immunohistochemistry (Frozen sections) (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Frozen sections)
- Flow Cytometry

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Immunoprecipitation
- Western Blot

Gene Info — ITGB4

Entrez GeneID	3691
Gene Name	ITGB4
Gene Alias	CD104
Gene Description	integrin, beta 4
Omim ID	131800 147557 226650 226730
Gene Ontology	Hyperlink
Gene Summary	Integrins are heterodimers comprised of alpha and beta subunits, that are noncovalently associated transmembrane glycoprotein receptors. Different combinations of alpha and beta polypeptides form complexes that vary in their ligand-binding specificities. Integrins mediate cell-matrix or cell-cell adhesion, and transduced signals that regulate gene expression and cell growth. This gene encodes the integrin beta 4 subunit, a receptor for the laminins. This subunit tends to associate with alpha 6 subunit and is likely to play a pivotal role in the biology of invasive carcinoma. Mutations in this gene are associated with epidermolysis bullosa with pyloric atresia. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq
Other Designations	CD104 antigen|GP150|integrin beta 4|integrin beta-4 subunit

Pathway

- Arrhythmogenic right ventricular cardiomyopathy (ARVC)
- ECM-receptor interaction
- Focal adhesion
- Hypertrophic cardiomyopathy (HCM)
- Regulation of actin cytoskeleton

Disease

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease

Copyright © 2023 Abnova Corporation. All Rights Reserved.