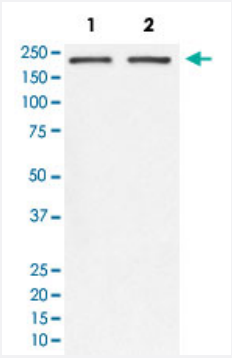
ITGB4 monoclonal antibody, clone AAFE-9

Catalog # MAB20393 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: SW480 cell and Lane 2: mouse spleen tissue lysates with ITGB4 monoclonal antibody, clone AAFE-9 (Cat # MAB20393).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human ITGB4.
Immunogen	A synthetic peptide corresponding to human ITGB4.
Host	Rabbit
Theoretical MW (kDa)	202.167
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

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Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry
- Western Blot

  Western Blot analysis of Lane 1: SW480 cell and Lane 2: mouse spleen tissue lysates with ITGB4 monoclonal antibody, clone AAFE-9 (Cat # MAB20393).

Gene Info — ITGB4

Entrez GeneID	3691
Protein Accession#	P16144
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 associat ed 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-c ell adhesion, and transduced signals that regulate gene expression and cell growth. This gene en codes 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 splic ed transcript variants encoding distinct isoforms have been found for this gene. [provided by RefS eq
Other Designations	CD104 antigen|GP150|integrin beta 4|integrin beta-4 subunit

Pathway

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

Disease

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

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