

# Integrin beta 4 Rabbit mAb

Catalog No: #49465



Package Size: #49465-1 50ul #49465-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

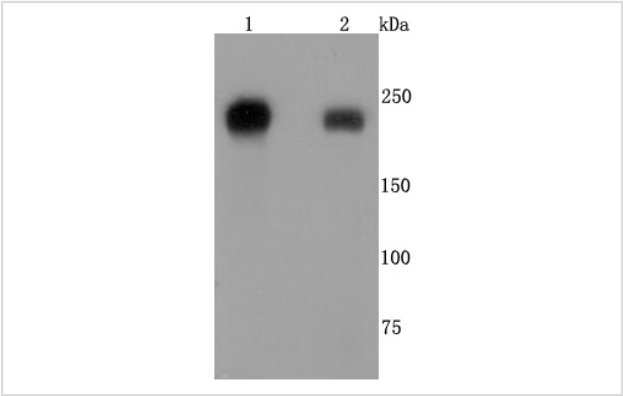
## Description

Product Name	Integrin beta 4 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM11-06
Purification	ProA affinity purified
Applications	WB, IHC
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Other Names	CD 104 antibody CD104 antibody CD104 antigen antibody gp150 antibody Integrin beta 4 subunit antibody Integrin beta-4 antibody ITB4_HUMAN antibody ITG B4 antibody ITGB 4 antibody Itgb4 antibody
Accession No.	Swiss-Prot#:P16144
Uniprot	P16144
GeneID	3691;
Calculated MW	210 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

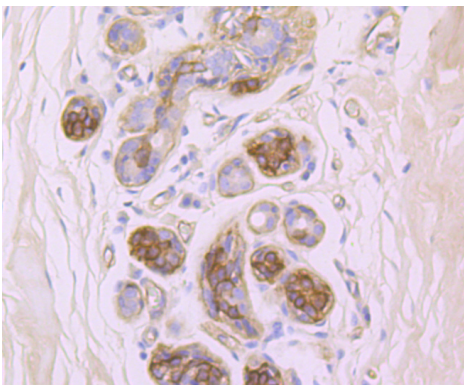
## Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200

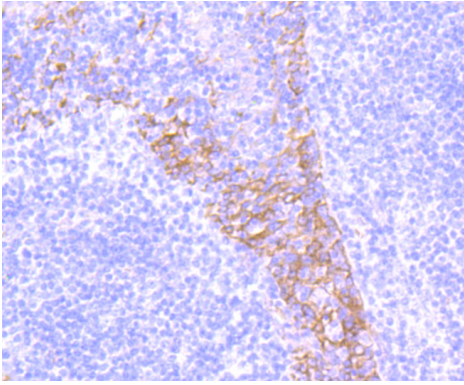
## Images



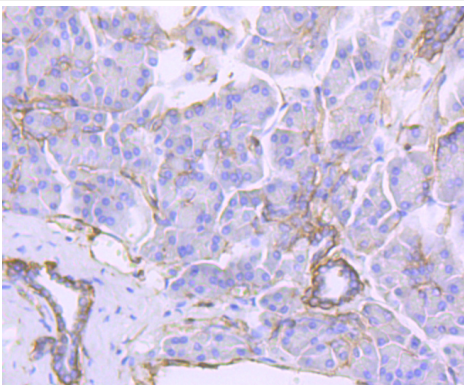
Western blot analysis of Integrin beta 4 on Jurkat cells lysates using anti-Integrin beta 4 antibody at 1/500 dilution. Positive controls  
Line 1: A431  
Line 2: A549



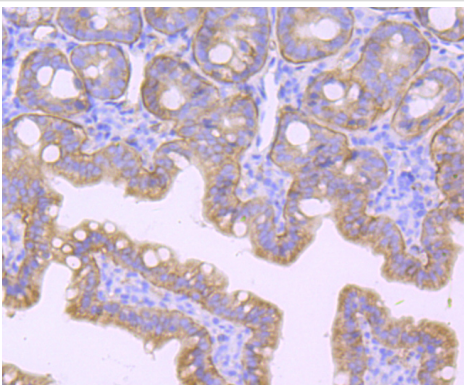
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using anti-Integrin beta 4 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Integrin beta 4 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-Integrin beta 4 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-Integrin beta 4 antibody. Counter stained with hematoxylin.

## Background

Integrins are heterodimers composed of noncovalently associated transmembrane  $\alpha$  and  $\beta$  subunits. The 16  $\alpha$  and 8  $\beta$  subunits heterodimerize to produce more than 20 different receptors. Most integrin receptors bind ligands that are components of the extracellular matrix, including Fibronectin, collagen and vitronectin. Certain integrins can also bind to soluble ligands, such as fibrinogen, or to counterreceptors on adjacent cells such as the intracellular adhesion molecules (ICAMs), leading to aggregation of cells. Integrin  $\beta 4$  (ITGB4), also known as CD104, is a 1,822 amino acid single-pass type I membrane protein belonging to the Integrin  $\beta$  chain family. Known to associate with Integrin  $\alpha 6$ , Integrin  $\beta 4$  functions as a receptor for Laminin and is predominantly expressed by epithelia. Integrin  $\beta 4$  exists as five alternatively spliced isoforms that are encoded by a gene located on human chromosome 17q25.1.

## References

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Note: This product is for in vitro research use only