

For Research Use Only

# Integrin beta-5 Recombinant antibody



Catalog Number: 83514-3-RR

## Basic Information

<b>Catalog Number:</b> 83514-3-RR	<b>GenBank Accession Number:</b> BC006541	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 3693	<b>CloneNo.:</b> 240401G11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P18084	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Isotype:</b> IgG	<b>Full Name:</b> integrin, beta 5	
<b>Immunogen Catalog Number:</b> AG29783	<b>Calculated MW:</b> 88 kDa	
	<b>Observed MW:</b> 88-100 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : A549 cells, HT-29 cells, NIH-H1299 cells
<b>Species Specificity:</b> Human	

## Background Information

ITGB5, also known as Integrin beta-5. It is expected to be located in the plasma membrane and mitochondria, which is ubiquitinated in placenta and gall bladder. ITGB5 is a member of integrins and was proved to be associated with pathological processes in several tumors (PMID: 34966851). It is reported that TGB5 is highly expressed in hepatocellular carcinoma (HCC), and miR-185 regulates the expression of  $\beta$  - catenin through the ITGB5-dependent manner and affects the proliferation and migration of HCC cells (PMID: 35223869). The molecular weight of ITGB5 is 88 kDa, and the glycosylation modification also exists.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

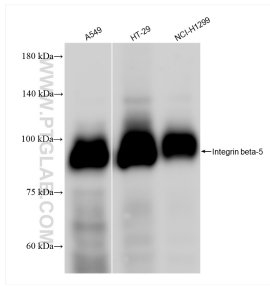
T: 4006900926

E: Proteintech-CN@ptglab.com

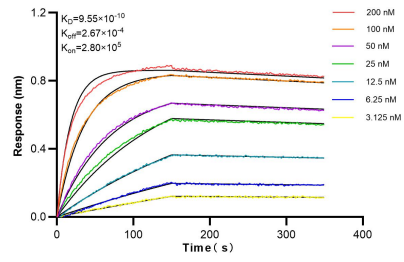
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83514-3-RR (Integrin beta-5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83514-3-RR against Human Integrin beta-5 were performed. The affinity constant is 0.955 nM.