

## Integrin Beta1 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP04584
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Integrin beta1. AA range:749-798
<b>Mol wt</b>	88465
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Integrin beta1 Antibody
<b>Synonyms</b>	ITGB1; FNRB; MDF2; MSK12; Integrin beta-1; Fibronectin receptor subunit beta; VLA-4 subunit beta; CD antigen CD29

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

Integrins are heterodimeric proteins made up of alpha and beta subunits. At least 18 alpha and 8 beta subunits have been described in mammals. Integrin family members are membrane receptors involved in cell adhesion and recognition in a variety of processes including embryogenesis, hemostasis, tissue repair, immune response and metastatic diffusion of tumor cells. ITGB1 encodes a beta subunit. Multiple alternatively spliced transcript variants which encode different protein isoforms have been found for this gene.

### Recommended Dilution

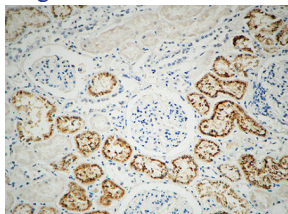
WB: 1: 500 - 1: 2000

ELISA: 1: 5000

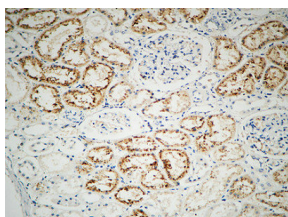
IHC-p: 100 - 300

Not yet tested in other applications.

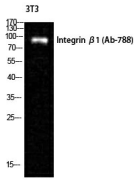
### Images



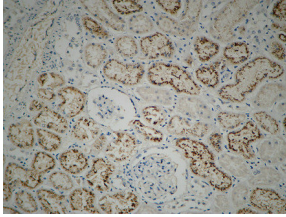
Immunohistochemical analysis of paraffin-embedded Human kidney. 1, Antibody was diluted at 1:100(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



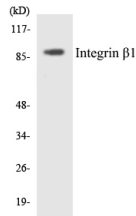
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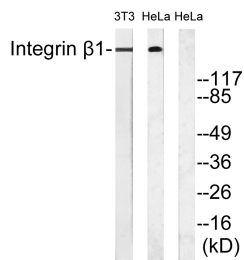
Western Blot analysis of NIH-3T3 cells using Integrin  $\beta$ 1 Polyclonal Antibody diluted at 1:500



Immunohistochemical analysis of paraffin-embedded Human kidney. 1, Antibody was diluted at 1:100(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Western blot analysis of the lysates from K562 cells using Integrin  $\beta$ 1 antibody.



Western blot analysis of lysates from 3T3 and HeLa cells, treated with H<sub>2</sub>O<sub>2</sub> 100uM 30', using Integrin beta1 Antibody. The lane on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year

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