

## Integrin beta 4(Phospho Tyr1510) Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP10441
<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 ITGB4 around the phosphorylation site of Tyr1510. AA range:1481-1530
<b>Mol wt</b>	202151
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Integrin beta-4
<b>Synonyms</b>	Integrin beta-4; ITGB4; Integrin beta-4; GP150; CD antigen CD104

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

### Background

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.

### Recommended Dilution

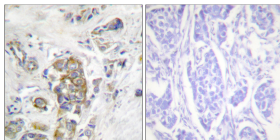
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

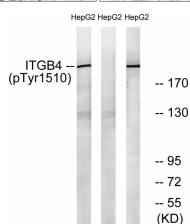
ELISA: 1: 10000

Not yet tested in other applications.

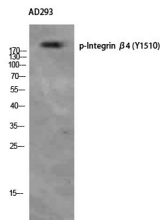
### Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using ITGB4 (Phospho-Tyr1510) Antibody. The picture on the right is blocked with the phospho peptide.



Western Blot analysis of AD293 using Phospho-Integrin  $\beta$ 4 (Y1510) Polyclonal Antibody. Antibody was diluted at 1:500



Western blot analysis of lysates from HepG2 cells treated with Na<sub>2</sub>VO<sub>3</sub> 0.3nM 40', using ITGB4 (Phospho-Tyr1510) Antibody. The lane on the right is blocked with the phospho peptide.

### Storage

-20°C for 1 year

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