# ITGB4 (Phospho-Tyr1510) Antibody

Catalog No: #11698

Package Size: #11698-1 50ul #11698-2 100ul

Orders: order@signalwayantibody.com
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## Description

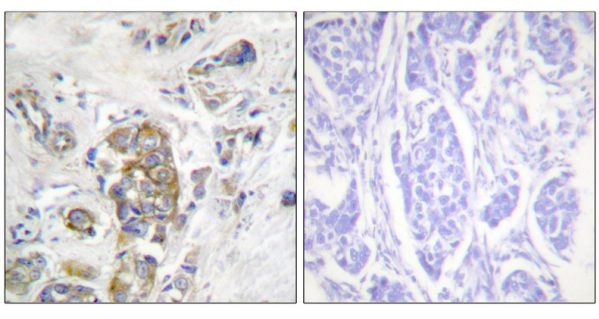
| | |
|---|---|
| Product Name | ITGB4 (Phospho-Tyr1510) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide. |
| Applications | WB IHC |
| Species Reactivity | Hu |
| Specificity | The antibody detects endogenous levels of ITGB4 only when phosphorylated at tyrosine 1510. |
| Immunogen Type | Peptide-KLH |
| Immunogen Description | Peptide sequence around phosphorylation site of tyrosine1510(R-D-Y(p)-S-T) derived from Human ITGB4 . |
| Target Name | ITGB4 |
| Modification | Phospho |
| Other Names | GP150; ITB4; CD104 antigen; |
| Accession No. | Swiss-Prot#: P16144; NCBI Gene#: 3691; NCBI Protein#: NP_000204.3. |
| SDS-PAGE MW | 202kd |
| Concentration | 1.0mg/ml |
| Formulation | Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C/1 year |

## Application Details

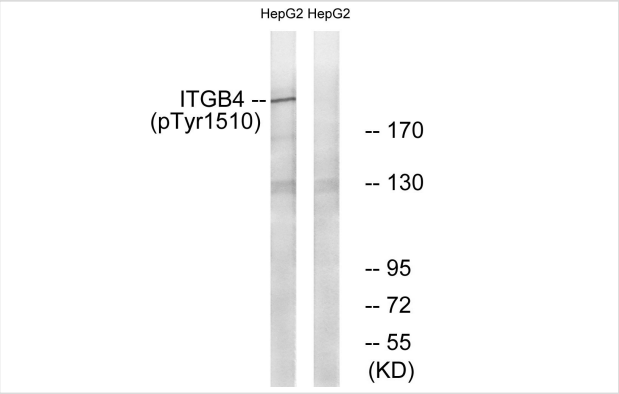
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

## Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using ITGB4 (Phospho-Tyr1510) antibody #11698 (left)or the same antibody preincubated with blocking peptide (right).




Western blot analysis of extracts from HepG2 cells treated with Na2VO3 using ITGB4 (Phospho-Tyr1510) Antibody #11698.The lane on the right is treated with the antigen-specific peptide.

## Background

Integrin alpha-6/beta-4 is a receptor for laminin. Plays a critical structural role in the hemidesmosome of epithelial cells. Is required for the regulation of keratinocyte polarity and motility.

Suzuki S., EMBO J. 9:757-763(1990).

Hogervorst F., EMBO J. 9:765-770(1990).

Tamura R.N., J. Cell Biol. 111:1593-1604(1990).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.