

ITGB4 (Phospho-Tyr1510) Antibody

Catalog No: #11698



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

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Description

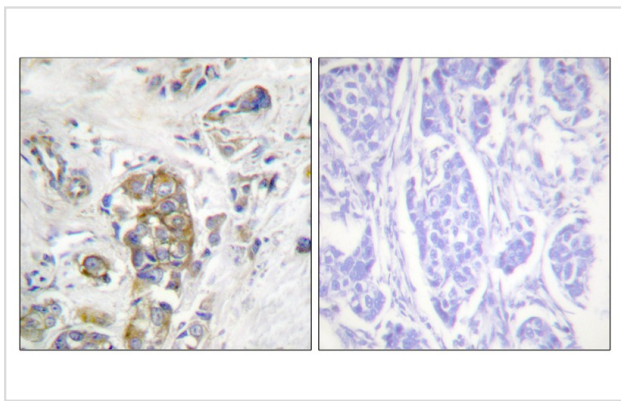
Product Name	ITGB4 (Phospho-Tyr1510) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Human,Rat,Mouse
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.
Uniprot	P16144
GeneID	3691;
SDS-PAGE MW	202kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

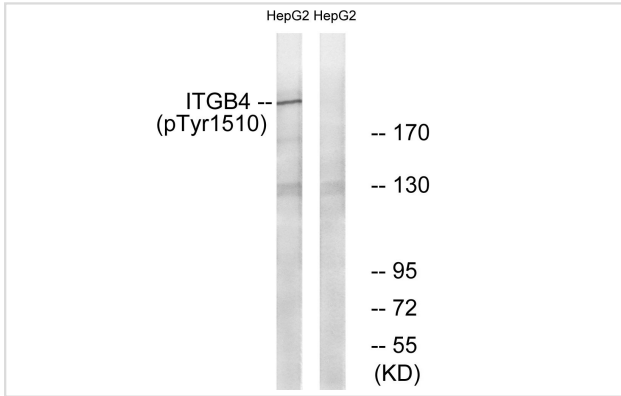
Western blotting: 1:500~1:1000

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