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Product Data Sheet

Anti-CD104 (Phospho-Y1510) Antibody

Catalog #	Source	Reactivity	Applications
CPA5056	Rabbit	H, M, R	WB, IH

Description	Rabbit polyclonal antibody to CD104 (Phospho-Y1510)
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding Y1510 of human CD104 protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of CD104 protein only when phosphorylated at Y1510.
Clonality	Polyclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/500 - 1/1000), IH (1/100 - 1/200)
Gene Symbol	ITGB4
Alternative Names	Integrin beta-4; GP150; CD104
Entrez Gene	3691 (Human); 192897 (Mouse); 25724 (Rat)
SwissProt	P16144 (Human); A2A863 (Mouse); Q64632 (Rat)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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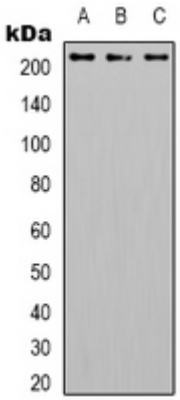
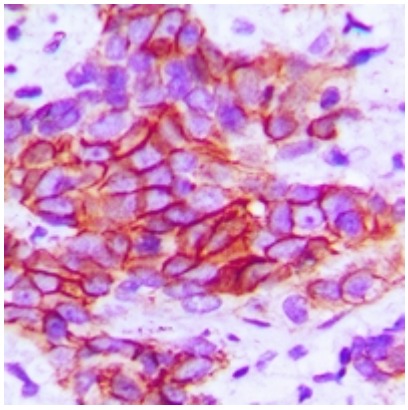


Western blot analysis of CD104 (Phospho-Y1510) expression in HepG2 (A), SW480 (B), A431 (C) whole cell lysates. (Predicted band size: 202 kD; Observed band size: 202 kD)



Immunohistochemical analysis of CD104 (Phospho-Y1510) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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