For research purposes only, not for human use

Product Data Sheet

Anti-Ephrin B1 (Phospho-Y317) Antibody

Catalog #	Source	Reactivity	Applications
CPA1369	Rabbit	H, M, R, C, Z	WB, IH

Description	Rabbit polyclonal antibody to Ephrin B1 (Phospho-Y317)
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding Y317 of human Ephrin B1 protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of Ephrin B1 protein only when phosphorylated at Y317.
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 (1/50 - 1/100)
Gene Symbol	EFNB1
Alternative Names	EFL3; EPLG2; LERK2; Ephrin-B1; EFL-3; ELK ligand; ELK-L; EPH-related receptor tyrosine kinase ligand 2; LERK-2
Entrez Gene	1947 (Human); 13641 (Mouse)
SwissProt	P98172 (Human); P52795 (Mouse); P52796 (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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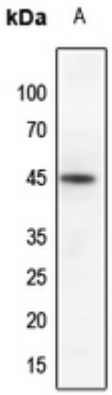
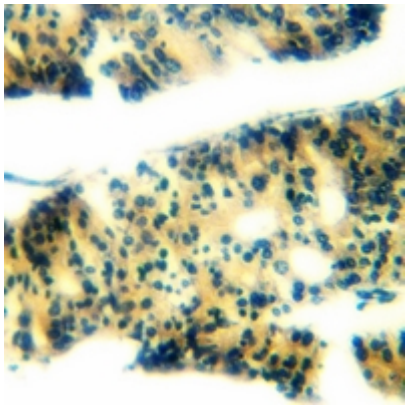


Western blot analysis of Ephrin B1 (Phospho-Y317) expression in zebrafish (A) whole cell lysates. (Predicted band size: 38 kD; Observed band size: 45 kD)



Immunohistochemical analysis of Ephrin B1 (Phospho-Y317) staining in human colorectal 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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