For research purposes only, not for human use

Product Data Sheet

Anti-PER2 (Phospho-S662) Antibody

Catalog #	Source	Reactivity	Applications
CPA7141	Rabbit	H, M	WB, IH

Description	Rabbit polyclonal antibody to PER2 (Phospho-S662)
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S662 of human PER2 protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of PER2 protein only when phosphorylated at S662.
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	PER2
Alternative Names	KIAA0347; Period circadian protein homolog 2; hPER2; Circadian clock protein PERIOD 2
Entrez Gene	8864 (Human); 18627 (Mouse)
SwissProt	O15055 (Human); O54943 (Mouse)
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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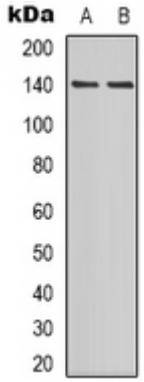
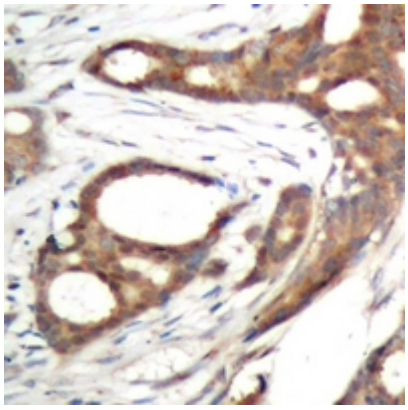


Western blot analysis of PER2 (Phospho-S662) expression in NIH3T3 treated with PMA (A), mouse lung (B) whole cell lysates. (Predicted band size: 136 kD; Observed band size: 140 kD)



Immunohistochemical analysis of PER2 (Phospho-S662) staining in human prostate 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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