

Product Data Sheet

Anti-PEA15 Antibody

Catalog #	Source	Reactivity	Applications
CPA4771	Rabbit	H, M, R	WB, IH, IF/IC, IP
Description	Rabbit polyclonal antibody to PEA15		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human PEA15. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of PEA15 protein.		
Clonality	Polyclonal		
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), IF/IC (1/100 - 1/500), IP (1/10 - 1/100)		
Gene Symbol	PEA15		
Alternative Names	Astrocytic phosphoprotein PEA-15; 15 kDa phosphoprotein enriched in astrocytes; Phosphoprotein enriched in diabetes; PED		
Entrez Gene	8682 (Human); 18611 (Mouse); 364052 (Rat)		
SwissProt	Q15121 (Human); Q62048 (Mouse); Q5U318 (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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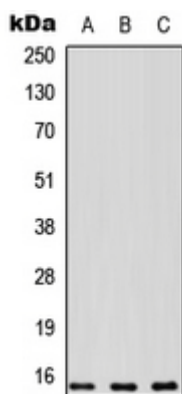
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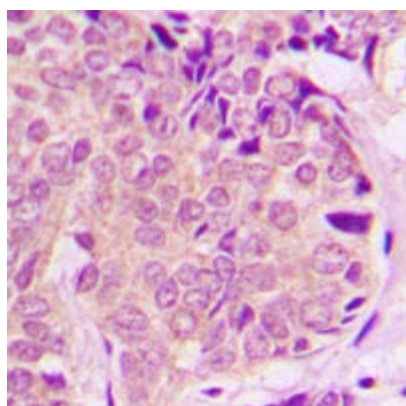
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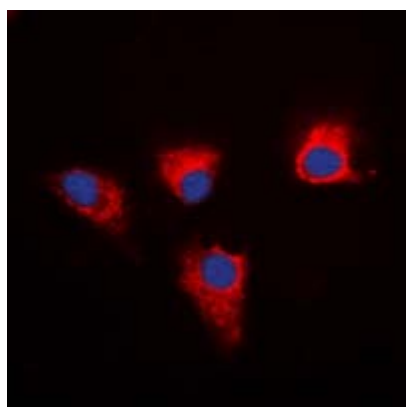
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Western blot analysis of PEA15 expression in MDA-MB231 (A), human kidney (B), NIH3T3 (C) whole cell lysates.



Immunohistochemical analysis of PEA15 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.



Immunofluorescent analysis of PEA15 staining in MDA-MB-231 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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