For research purposes only, not for human use

Product Data Sheet

Anti-EGFR Antibody [KO/KD Validated]

Catalog #	Source	Reactivity	Applications
CPA3912	Rabbit	H, M, R	WB, IF/IC

Description	Rabbit polyclonal antibody to EGFR
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human EGFR. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of EGFR protein.
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), IF/IC (1/100 - 1/500)
Gene Symbol	EGFR
Alternative Names	ERBB; ERBB1; HER1; Epidermal growth factor receptor; Proto-oncogene c-ErbB-1; Receptor tyrosine-protein kinase erbB-1
Entrez Gene	1956 (Human); 13649 (Mouse)
SwissProt	P00533 (Human); Q01279 (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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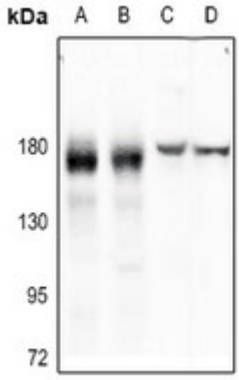
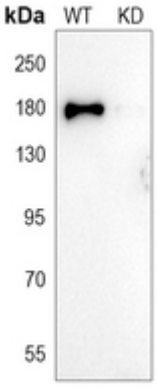
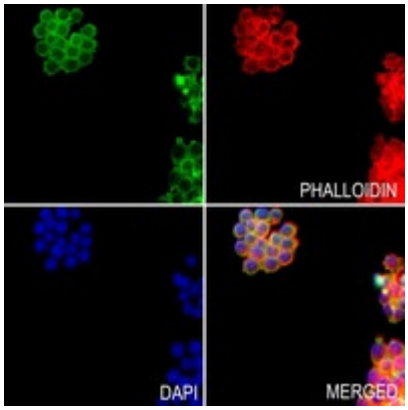


Western blot analysis of EGFR expression in HCC827 (A), A549 (B), mouse lung (C), rat lung (D) whole cell lysates. (Predicted band size: 134 kD; Observed band size: 175 kD)



Western blot analysis of EGFR expression in wild type (WT) and knockdown (KD) HeLa cell lysates.



Immunofluorescent analysis of EGFR staining in MDAMB231 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 hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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