

Anti-Cathepsin K Antibody

Catalog #	Source	Reactivity	Applications
CPA3544	Rabbit	H, M, R, B, D, Mk	WB, IF/IC
Description	Rabbit polyclonal antibody to Cathepsin K		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Cathepsin K. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of Cathepsin K 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 (1/50 - 1/200)		
Gene Symbol	CTSK		
Alternative Names	CTSO; CTSO2; Cathepsin K; Cathepsin O; Cathepsin O2; Cathepsin X		
Entrez Gene	1513 (Human); 13038 (Mouse); 29175 (Rat)		
SwissProt	P43235 (Human); P55097 (Mouse); O35186 (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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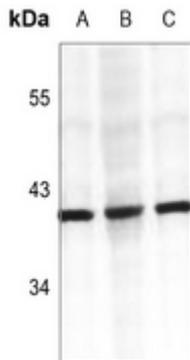
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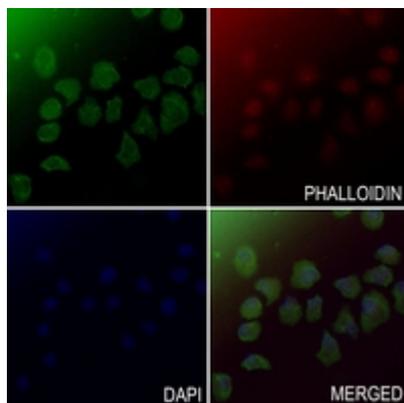
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Product Data Sheet



Western blot analysis of Cathepsin K expression in MCF7 (A), A375 (B), HCT116 (C) whole cell lysates. (Predicted band size: 36 kD; Observed band size: 41 kD)



Immunofluorescent analysis of Cathepsin K staining in SGC7901 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 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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