For research purposes only, not for human use

Product Data Sheet

Anti-Vimentin Antibody

Catalog #	Source	Reactivity	Applications
CPA4309	Rabbit	H, M, R, Mk	WB, IF/IC

Description	Rabbit polyclonal antibody to Vimentin
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Vimentin. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of Vimentin 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	VIM
Alternative Names	Vimentin
Entrez Gene	7431 (Human); 22352 (Mouse); 81818 (Rat)
SwissProt	P08670 (Human); P20152 (Mouse); P31000 (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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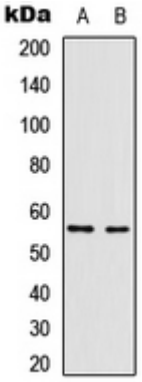
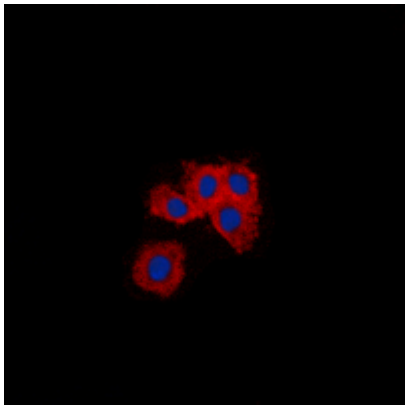


Western blot analysis of Vimentin expression in HepG2 (A), A549 (B) whole cell lysates. (Predicted band size: 53 kD; Observed band size: 57 kD)



Immunofluorescent analysis of Vimentin staining in A549 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 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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