

Product Data Sheet

Anti-MLL5 Antibody

Catalog #	Source	Reactivity	Applications
CQA3163	Rabbit	H, M, R	WB, IF/IC, IP
Description	Rabbit polyclonal antibody to MLL5		
Immunogen	Recombinant full length protein of human MLL5		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of MLL5 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 - 1/2000), IF/IC (1/50 - 1/200), IP (1/50 - 1/100)		
Gene Symbol	KMT2E		
Alternative Names	MLL5; Histone-lysine N-methyltransferase 2E; Lysine N-methyltransferase 2E; Myeloid/lymphoid or mixed-lineage leukemia protein 5		
Entrez Gene	55904 (Human); 69188 (Mouse)		
SwissProt	Q8IZD2 (Human); Q3UG20 (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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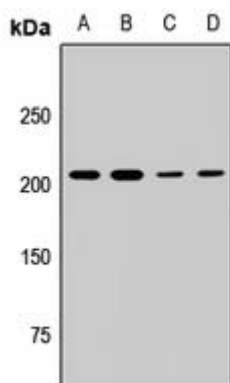
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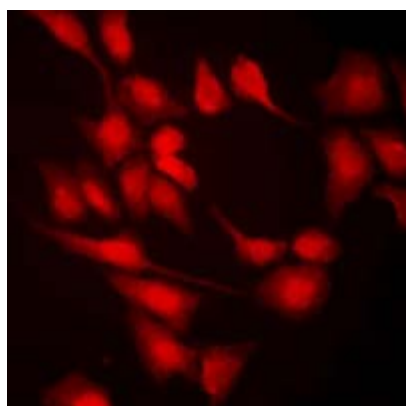
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Western blot analysis of MLL5 expression in MCF7 (A), HeLa (B), mouse lung (C), mouse brain (D) whole cell lysates.



Immunofluorescent analysis of MLL5 staining in U2OS 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.

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