

Product Data Sheet

Anti-NDUFS1 Antibody

Catalog #	Source	Reactivity	Applications
CPA1791	Rabbit	H, M, R, B, Mk	WB, IF/IC
Description	Rabbit polyclonal antibody to NDUFS1		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human NDUFS1. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of NDUFS1 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), IF/IC (1/100 - 1/500)		
Gene Symbol	NDUFS1		
Alternative Names	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial; Complex I-75kD; CI-75kD		
Entrez Gene	4719 (Human); 227197 (Mouse); 301458 (Rat)		
SwissProt	P28331 (Human); Q91VD9 (Mouse); Q66HF1 (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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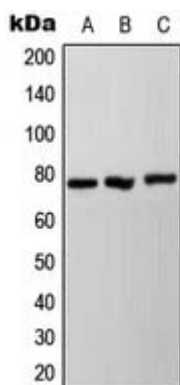
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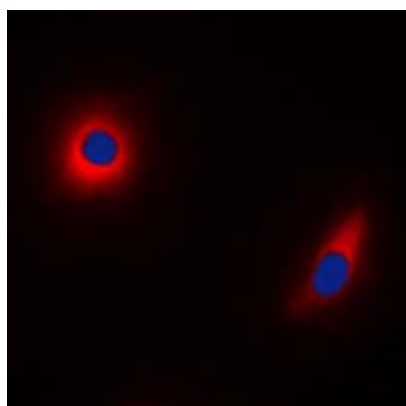
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Western blot analysis of NDUF51 expression in HeLa (A), SP20 (B), PC12 (C) whole cell lysates.



Immunofluorescent analysis of NDUF51 staining in HeLa 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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