

Anti-DDX3X (Phospho-T322) Antibody

Catalog #	Source	Reactivity	Applications
CPA5306	Rabbit	H	WB, IH, IF/IC
Description	Rabbit polyclonal antibody to DDX3X (Phospho-T322)		
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding T322 of human DDX3X protein. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of DDX3X protein only when phosphorylated at T322.		
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), IH (1/50 - 1/200), IF/IC (1/50 - 1/100)		
Gene Symbol	DDX3X		
Alternative Names	DBX; DDX3; ATP-dependent RNA helicase DDX3X; DEAD box protein 3, X-chromosomal; DEAD box, X isoform; Helicase-like protein 2; HLP2		
Entrez Gene	1654 (Human)		
SwissProt	O00571 (Human)		
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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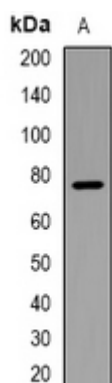
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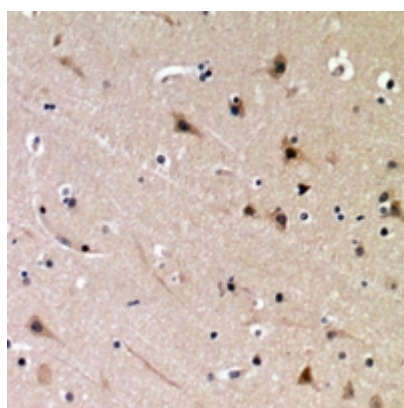
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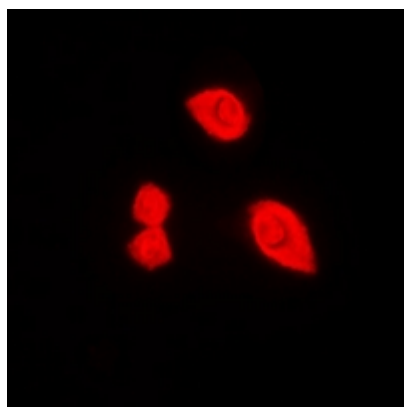
Product Data Sheet



Western blot analysis of DDX3X (Phospho-T322) expression in HeLa TNFa-treated (A) whole cell lysates. (Predicted band size: 73 kD; Observed band size: 78 kD)



Immunohistochemical analysis of DDX3X (Phospho-T322) staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of DDX3X (Phospho-T322) 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.

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