

Anti-FOXO1/3 (Phospho-S322+S325/pS318+S321) Antibody

Catalog #	Source	Reactivity	Applications
CPA5855	Rabbit	H, M, R, B, P	WB, IH
Description	Rabbit polyclonal antibody to FOXO1/3 (Phospho-S322+S325/pS318+S321)		
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S322+S325/pS318+S321 of human FOXO1/3 protein. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of FOXO1/3 protein only when phosphorylated at S322+S325/pS318+S321.		
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), IH (1/50 - 1/200)		
Gene Symbol	FOXO1; FOXO3		
Alternative Names	FOXO1; FKHR; FOXO1A; Forkhead box protein O1; Forkhead box protein O1A; Forkhead in rhabdomyosarcoma; FOXO3; FKHL1; FOXO3A; Forkhead box protein O3; AF6q21 protein; Forkhead in rhabdomyosarcoma-like 1		
Entrez Gene	2308 (Human); 56458, 56484 (Mouse); 84482 (Rat)		
SwissProt	Q12778, O43524 (Human); Q9R1E0, Q9WVH4 (Mouse); G3V7R4 (Rat)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid		

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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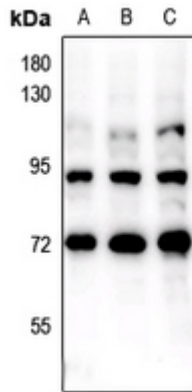
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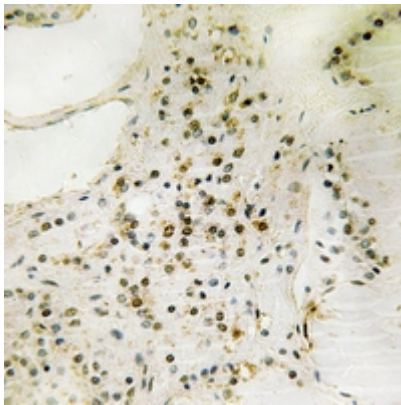
Product Data Sheet

freeze/thaw cycles.



Western blot analysis of FOXO1/3

(Phospho-S322+S325/pS318+S321) expression in Beas2B (A), A549 (B), HepG2 (C) whole cell lysates. (Predicted band size: 69; 71 kD; Observed band size: 72; 90 kD)



Immunohistochemical analysis of FOXO1/3

(Phospho-S322+S325/pS318+S321) staining in human thyroid gland 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.

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