

Anti-MNK2 (Phospho-T249) Antibody

Catalog #	Source	Reactivity	Applications
CPA5514	Rabbit	H, M, R	WB, IH
Description	Rabbit polyclonal antibody to MNK2 (Phospho-T249)		
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding T249 of human MNK2 protein. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of MNK2 protein only when phosphorylated at T249.		
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 - 1/100)		
Gene Symbol	MKNK2		
Alternative Names	GPRK7; MNK2; MAP kinase-interacting serine/threonine-protein kinase 2; MAP kinase signal-integrating kinase 2; MAPK signal-integrating kinase 2; Mnk2		
Entrez Gene	2872 (Human); 17347 (Mouse); 299618 (Rat)		
SwissProt	Q9HBH9 (Human); Q8CDB0 (Mouse); Q5U2N4 (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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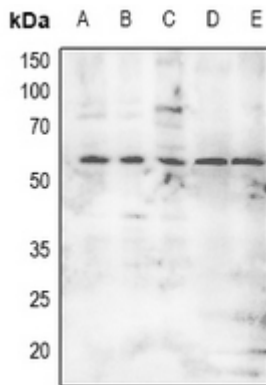
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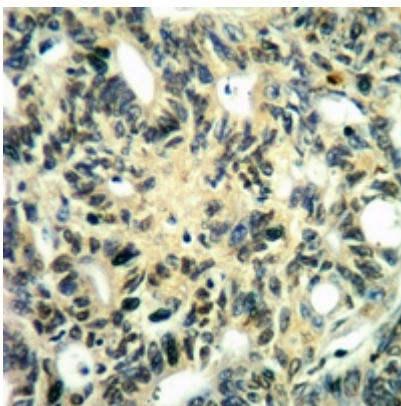
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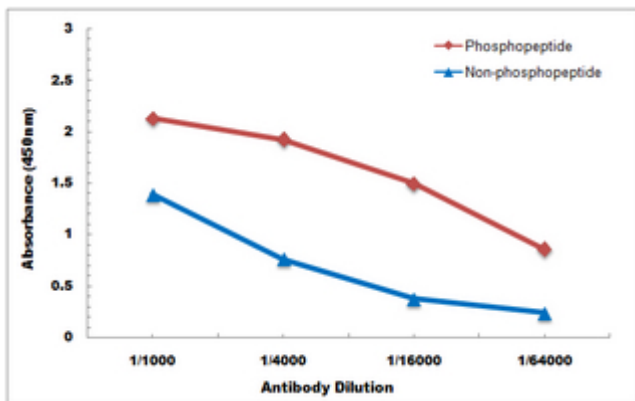
Product Data Sheet



Western blot analysis of MNK2 (Phospho-T249) expression in SGC7901 (A), PC3 (B), Jurkat (C), mouse eye (D), rat brain (E) whole cell lysates. (Predicted band size: 51 kD; Observed band size: 52 kD)



Immunohistochemical analysis of MNK2 (Phospho-T249) staining in human lung cancer 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.



Direct ELISA antibody dose-response curve using Anti-MNK2 (Phospho-T249) Antibody. Antigen (Phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

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