p38 alpha/MAPK14 Antibody, Rabbit PAb, Antigen Affinity Purified

Catalog Number: **10081-T54**

GENERAL INFORMATION	
Immunogen:	Recombinant Human p38 alpha/MAPK14 Protein (Catalog#10081-H07B)
Preparation	Produced in rabbits immunized with purified, recombinant Human p38 alpha/MAPK14 (rh p38 alpha/MAPK14; Catalog#10081-H07B; NP_620581.1; Met1-Ser360). p38 alpha/MAPK14 specific IgG was purified by Human p38 alpha/MAPK14 affinity chromatography.
Ig Type:	Rabbit IgG
Specificity:	Human p38 alpha/MAPK14
Formulation:	0.2 μm filtered solution in PBS
Storage:	This antibody can be stored at 2℃-8℃ for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20℃ to -80℃. Preservative-Free. Avoid repeated freeze-thaw cycles.
Alternative Names:	CSBP,CSBP1,CSBP2,CSPB1,EXIP,Mxi2,p38,p38ALPHA,PRKM14,PRKM15,RK,SAPK2A
APPLICATIONS	
Applications:	WB,ELISA,ICC/IF,IP
RECOMMENDED CONCENTRATION	
ICC/IF	ICC/IF: 1:1500-1:50000
Western Blot	WB: 1:500-1:1000
Immunoprecipitation	IP: 0.2-1 μL/mg of lysate
ELISA	ELISA: 1:25000-1:50000 This antibody can be used at 1:25000-1:50000 with the appropriate secondary reagents to detect Human p38 alpha/MAPK14.

Please Note: Optimal concentrations/dilutions should be determined by the end user.

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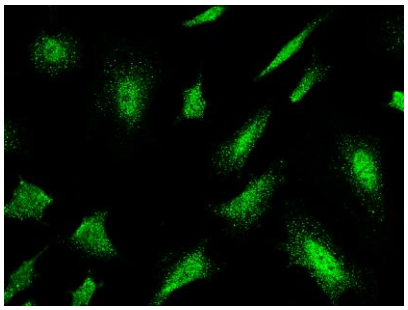
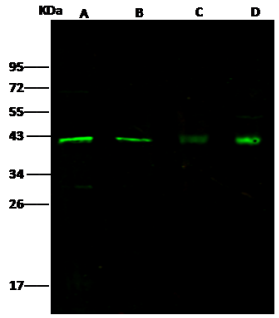


Immunofluorescence staining of MAPK14 in HeLa cells. Cells were fixed with 4% PFA, permeabilzed with 0.3% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-human MAPK14 polyclonal antibody (1:5000) at 4℃ overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-rabbit IgG secondary antibody (green).Positive staining was localized to cytoplasm and nucleus.



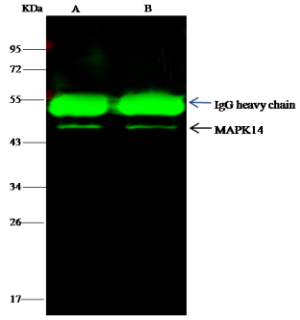
Anti-MAPK14 rabbit polyclonal antibody at 1:500 dilution
Lane A: Jurkat Whole Cell Lysate
Lane B: A431 Whole Cell Lysate
Lane C: MCF7 Whole Cell Lysate
Lane D: HepG2 Whole Cell Lysate

Lysates/proteins at 30 µg per lane.

Secondary
Goat Anti- Rabbit IgG H&L (Dylight 800) at 1/10000 dilution.

Developed using the Odyssey technique.
Performed under reducing conditions.

Predicted band size:41 kDa
Observed band size:41 kDa



MAPK14 was immunoprecipitated using:
Lane A:0.5 mg A431 Whole Cell Lysate
Lane B:0.5 mg HepG2 Whole Cell Lysate

0.5 µL anti-MAPK14 rabbit polyclonal antibody and 15 µl of 50 % Protein G agarose.

Primary antibody:
Anti-MAPK14 rabbit polyclonal antibody,at 1:500 dilution

Secondary antibody:
Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution

Developed using the odssey technique.
Performed under reducing conditions.

Predicted band size: 41 kDa
Observed band size: 41 kDa