

## Product datasheet for **TA392535S**

### p38 (MAPK14) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:1000~1:2000 IHC: 1:50~1:200 IF: 1:50~1:200 IP: 1:50~1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to Human p38.
Specificity:	p38 (V318) polyclonal antibody detects endogenous levels of p38 protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 42 kDa
Gene Name:	mitogen-activated protein kinase 14
Database Link:	<a href="#">Entrez Gene 1432 Human Q16539</a>
Background:	MAP (mitogen-activated protein) kinases play a significant role in many biological processes, including cell adhesion and spreading, cell differentiation and apoptosis. p38 $\alpha$ , p38 $\beta$ and p38 $\gamma$ , also known as MAPK14, MAPK11 and MAPK12, respectively, each contain one protein kinase domain and belong to the MAP kinase family. Expressed in different areas throughout the body with common expression patterns in heart, p38 proteins use magnesium as a cofactor to catalyze the ATP-dependent phosphorylation of target proteins. Via their catalytic activity, p38 $\alpha$ , p38 $\beta$ and p38 $\gamma$ are involved in a variety of events throughout the cell, including signal transduction pathways, cytokine production and cell proliferation and differentiation.

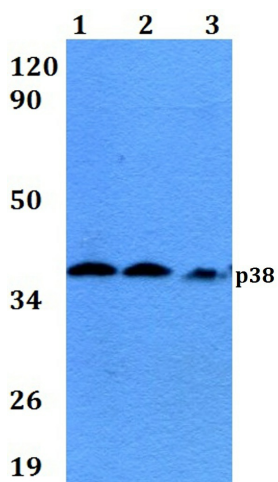


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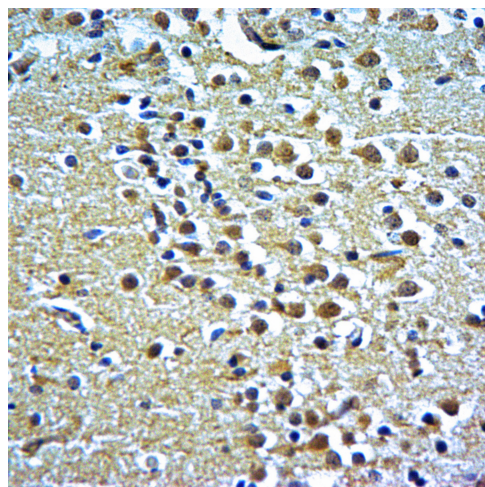
**Synonyms:** CSAID-binding protein; CSBP; CSBP1; CSBP2; CSPB1; Cytokine suppressive anti-inflammatory drug-binding protein; MAPK14; MAPK 14; MAP kinase 14; MAP kinase MXI2; MAP kinase p38 alpha; MAX-interacting protein 2; Mitogen-activated protein kinase 14; Mitogen-activated protein kinase p38 alpha; MXI2; SAPK2A; SAPK2a; Stress-activated protein kinase 2a

**Note:** For research use only, not for use in diagnostic procedure.

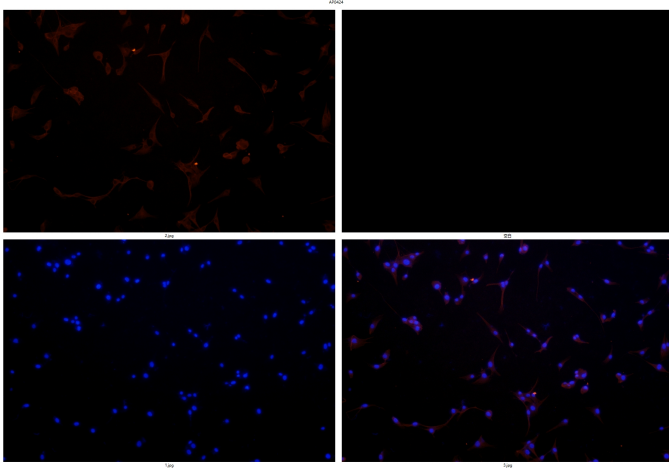
**Product images:**



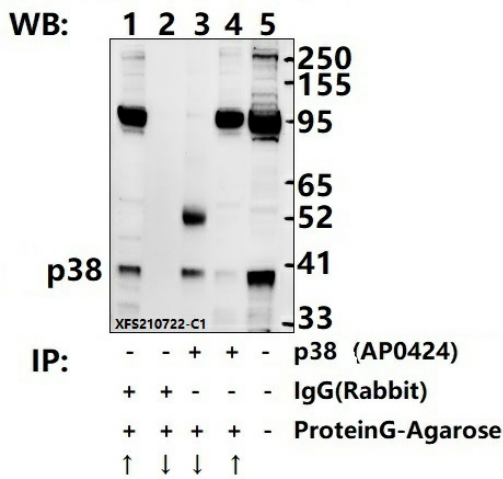
Western blot (WB) analysis of p38 (V318) polyclonal antibody at 1:1000 dilution  
 Lane1:HEK293T whole cell lysate(36µg)  
 Lane2:NIH-3T3 whole cell lysate(38.8µg)  
 Lane3:HepG2 whole cell lysate(36.8µg)



Immunohistochemistry of paraffin-embedded Rat Brain using p38 (V318) antibody at dilution of 1:50.



Immunofluorescence analysis of U-87MG cells using p38 (V318) antibody at dilution of 1:50.



Immunoprecipitation of U-87MG cell lysates using p38 (V318) pAb (Sepharose Bead Conjugate)#BD0048 (lane 3 and lane 4) and Nonspecific IgG Control (Sepharose Bead Conjugate)#BD0048 (lane 1 and lane 2). Lane 5 is 30% input. The western blot was probed using p38 (V318) pAb #TA392535.