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Anti-p38 (phospho Thr180/Tyr182) Rabbit pAb (A72168)

Catalog No.: A72168

Basic Information

Catalog No. (Cat.No.)	A72168
Host species	Rabbit
Reactivity	Human,Mouse,Rat,Guinea Pig
Applications	WB,IHC,IF,Flow Cyt,ELISA
Synonyms	p38 (phospho Thr180/Tyr182),p-p38(Thr180/Tyr182),p38α MAPK,p38-alpha

Product Information

Target	p38 (phospho Thr180/Tyr182)
Molecular Weight(Calculated)	38 kDa
Molecular Weight(Observed)	38 kDa
Isotype	IgG
Conjugation	NA
Concentration	1 mg/ml
Clonality	Polyclonal
Clone No.	NA
RRID	NA
Storage buffer	50% Glycerol, 0.5% BSA and 0.02% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:500-1:2000
IHC	1:100-1:500
IF	1:100-1:500
Flow Cyt	1 μg/10^6 cells
ELISA	1:5000-1:20000

Target Information

Protein Name	p38 (phospho Thr180/Tyr182)
Gene Name	*MAPK14*
Domain	human p38 MAPK,around phosphorylation site of Thr179 and Tyr181, aa 151-200
Background	p38 MAPK (Mitogen-activated protein kinase 14) belongs to MAP kinase family and transduces cellular stress, inflammatory, apoptotic and differentiation signals. p38 is a serine-threonine kinase activated via upstream MAP2K-mediated dual phosphorylation upon pro-inflammatory cytokines, oxidative stress, UV irradiation and osmotic challenge. Activated p38 translocates into nucleus and phosphorylates transcription factors to modulate transcription of pro-inflammatory, apoptotic and cell-cycle target genes. It mediates innate immunity and cytokine production, as well as cell differentiation and senescence. Sustained p38 signaling contributes to autoimmunity, inflammatory disorders and tumor progression.