

Rabbit p38 MAPK-T180 Antibody | anti-p38MAPK-T180 antibody

Phospho-p38 MAPK-T180 Rabbit pAb

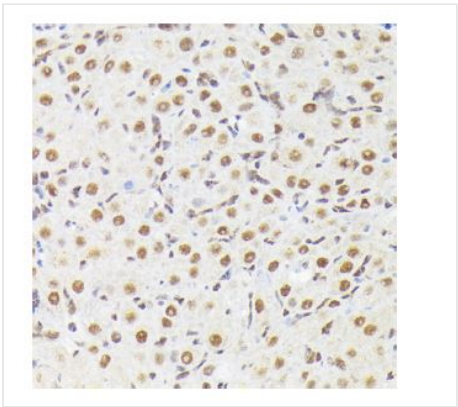
CATALOG # AAA282440	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

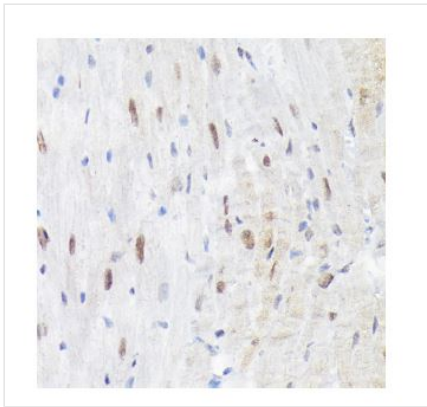
p38 MAPK-T180; Phospho-p38 MAPK-T180 Rabbit pAb; RK; p38; CSBP; EXIP; Mxi2; CSBP1; CSBP2; CSPB1; PRKM14; PRKM15; SAPK2A; p38ALPHA; anti-p38MAPK-T180 antibody

PRODUCT SPECIFICATIONS

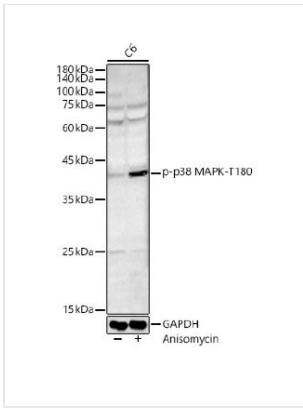
Host	Rabbit
Reactivity	Human, Mouse, Rat
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide,50% glycerol,pH7.3.
Sequence	TGYVA
Applicable Applications for anti-p38MAPK-T180 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Positive Samples	NIH/3T3, C6
Cellular Location	Cytoplasm, Nucleus
Research Area	Epigenetics Nuclear Signaling, Translation Control, Regulation of eIF4 and p70 S6 Kinase, Protein phosphorylation, Signal Transduction, Kinase, Serine threonine kinases, ErbB-HER Signaling Pathway, ATM Signaling Pathway, Cell Biology Developmental Biology, TGF- β -Smad Signaling Pathway, Immunology Inflammation, B Cell Receptor Signaling Pathway, T Cell Receptor Signaling Pathway, NF- κ B Signaling Pathway, Toll-like Receptor Signaling Pathway, Cell Intrinsic Innate Immunity Signaling Pathway, TLR Signaling, Neuroscience, Neurodegenerative Diseases, Cardiovascular, Angiogenesis
Immunogen	A synthetic phosphorylated peptide around T180 of human MAPK(NP_620581.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.



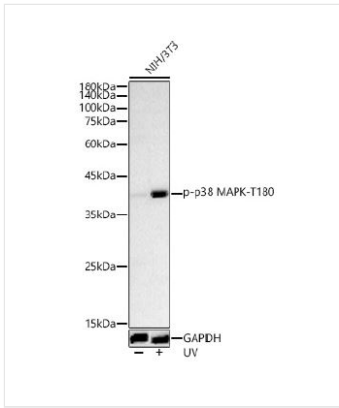
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded rat ovary using Phospho-p38 MAPK-Y182 Rabbit pAb (AAA282440) at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded mouse heart using Phospho-p38 MAPK-Y182 Rabbit pAb (AAA282440) at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



WB (Western Blot)
Western blot analysis of extracts of C6, using Phospho-p38 MAPK-T180 Rabbit pAb (AAA282440) at 1:500 dilution.C6 cells were treated by Anisomycin (25 ug/mL) at 37? for 20 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



WB (Western Blot)
Western blot analysis of extracts of NIH/3T3, using Phospho-p38 MAPK-T180 Rabbit pAb (AAA282440) at 1:500 dilution.NIH/3T3 cells were treated by UV at room temperature for 15-30 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-p38MAPK-T180 antibody	The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is activated by various environmental stresses and proinflammatory cytokines. The activation requires its phosphorylation by MAP kinase kinases (MKKs), or its autophosphorylation triggered by the interaction of MAP3K7IP1/TAB1 protein with this kinase. The substrates of this kinase include transcription regulator ATF2, MEF2C, and MAX, cell cycle regulator CDC25B, and tumor suppressor p53, which suggest the roles of this kinase in stress related transcription and cell cycle regulation, as well as in genotoxic stress response. Four alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.
Product Categories/Family for anti-p38MAPK-T180 antibody	Phosphorylated Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503069
NCBI GeneID	1432
NCBI Accession #	NP_001306.1

NCBI GenBank Nucleotide #	NM_001315.2
UniProt Accession #	Q16539 ; O60776 ; Q13083 ; Q14084 ; Q8TDX0 ; A6ZJ92 ; A8K6P4 ; B0LPH0
Molecular Weight	41,293 Da
NCBI Official Full Name	mitogen-activated protein kinase 14 isoform 1
NCBI Official Synonym Full Names	mitogen-activated protein kinase 14
NCBI Official Symbol	MAPK14
NCBI Official Synonym Symbols	RK; p38; CSBP; EXIP; Mxi2; CSBP1; CSBP2; CSPB1; PRKM14; PRKM15; SAPK2A; p38ALPHA
NCBI Protein Information	mitogen-activated protein kinase 14; MAP kinase 14; p38alpha Exip; p38 MAP kinase; MAP kinase Mxi2; MAP kinase p38 alpha; CSAID-binding protein; Csaids binding protein; MAX-interacting protein 2; stress-activated protein kinase 2A; p38 mitogen activated p
UniProt Protein Name	Mitogen-activated protein kinase 14
UniProt Gene Name	MAPK14
UniProt Synonym Gene Names	CSBP; CSBP1; CSBP2; CSPB1; MXI2; SAPK2A; MAP kinase 14; MAPK 14; CSAID-binding protein; CSBP; MAP kinase p38 alpha; SAPK2a
UniProt Entry Name	MK14_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rabbit-p38mapk-t180-human-mouse-rat-antibody/p38-mapk-t180/282440>