

Phospho-p38 MAPK (Thr180, Tyr182) Recombinant Rabbit Monoclonal Antibody (B10H8L5)

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Rabbit / IgG
Expression system	Expi293
Class	Recombinant Monoclonal
Type	Antibody
Clone	B10H8L5
Conjugate	Unconjugated
Immunogen	Phosphopeptide corresponding to amino acids 176-186 of human p38 MAPK
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2532361

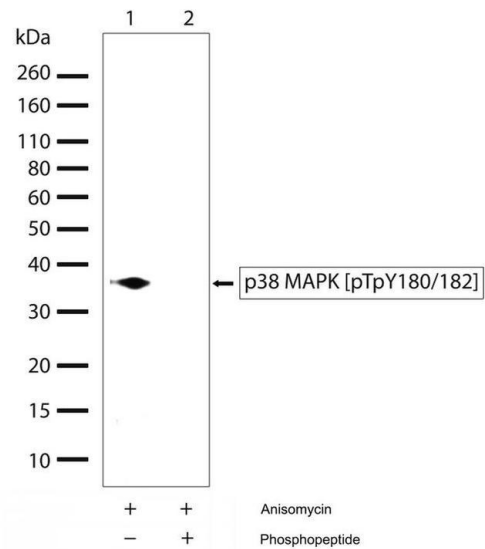
Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-2 µg/mL	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:100	-
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

Intact IgG appears on a non-reducing gel as ~150 kDa band and upon reduction generating a ~25 kDa light chain band and a ~50 kDa heavy chain.

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Product Images For Phospho-p38 MAPK (Thr180, Tyr182) Recombinant Rabbit Monoclonal Antibody (B10H8L5)



Phospho-p38 MAPK (Thr180, Tyr182) Antibody (701057) in WB
Western blot analysis of Phospho-p38 MAPK pThr180/pTyr182 in whole cell extracts of HeLa treated with Anisomycin (5 µg/mL for 30 min) using a Phospho-p38 MAPK pThr180/pTyr182 recombinant rabbit monoclonal antibody (Product # 701057) at a dilution of 5 µg/mL. To confirm specificity, competition was performed by preincubation with the phosphopeptide to inhibit antibody binding (lane 2). Results show a band at ~38kDa.

Phospho-p38 MAPK (Thr180, Tyr182) Antibody (701057) in IHC (P)
Immunohistochemistry analysis of p38 MAPK (pTpY180/182) showing staining in the cytoplasm of paraffin-embedded human colon carcinoma (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with a p38 MAPK (pTpY180/182) monoclonal antibody (Product # 701057) diluted in 3% BSA-PBS at a dilution of 1:20 overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.

Phospho-p38 MAPK (Thr180, Tyr182) Antibody (701057) in IHC (P)
Immunohistochemistry analysis of p38 MAPK (pTpY180/182) showing staining in the cytoplasm of paraffin-embedded human brain tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with a p38 MAPK (pTpY180/182) monoclonal antibody (Product # 701057) diluted in 3% BSA-PBS at a dilution of 1:20 overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.

View more figures on thermofisher.cn

Western Blot (1)

International journal of molecular sciences	Year 2015
Possible Mechanisms of Di(2-ethylhexyl) Phthalate-Induced MMP-2 and MMP-9 Expression in A7r5 Rat Vascular Smooth Muscle Cells.	Species Human
"701057 was used in western blot to test if DEHP affects MMP-2 or MMP-9 expression in vascular smooth muscle cells"	Dilution 1:1000
Authors: Shih MF,Pan KH,Cherng JY	

Miscellaneous PubMed (1)

International journal of molecular sciences	Year 2015
Possible Mechanisms of Di(2-ethylhexyl) Phthalate-Induced MMP-2 and MMP-9 Expression in A7r5 Rat Vascular Smooth Muscle Cells.	Species Human
"701057 was used in western blot to test if DEHP affects MMP-2 or MMP-9 expression in vascular smooth muscle cells"	Dilution 1:1000
Authors: Shih MF,Pan KH,Cherng JY	

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.