

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

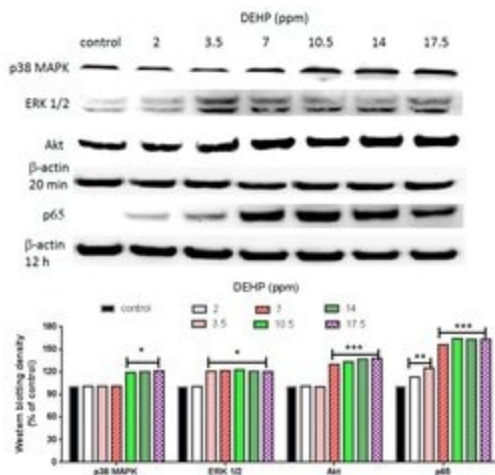
Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Recombinant Monoclonal
Type	Antibody
Clone	B10H8L5
Conjugate	Unconjugated
Immunogen	Phosphopeptide corresponding to amino acids 176–186 of human p38 MAPK
Form	Liquid
Concentration	0.5 mg/mL
Purification	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.

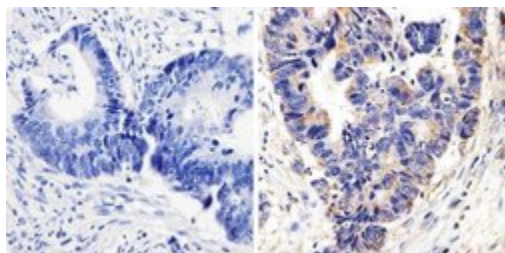
Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages 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.



Phospho-p38 MAPK (Thr180, Tyr182) Antibody (701057)

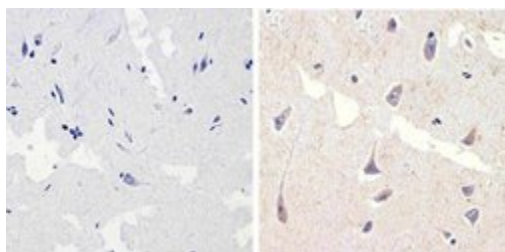
Figure 3 Effects of DEHP on phosphorylated p38 MAPK, phosphorylated ERK1/2, phosphorylated Akt, and NF-kappaB (p65) protein expression. VSMC (n >= 3) were treated with DEHP (concentrations between 2 and 17.5 ppm) for 20 min (p38 MAPK, ERK1/2, and Akt) or 12 h (NF-kappaB) prior to protein extraction. Phosphorylated p38 MAPK, phosphorylated ERK1/2, phosphorylated Akt, and NF-kappaB (p65) were expressed by Western blotting. Statistics are shown for DEHP-treated cells * p < 0.05, ** p < 0.01, and *** p < 0.005, compared to the respective control groups. Cell treatment validation info.

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



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.

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Western Blot (1)

International journal of molecular sciences

Possible Mechanisms of Di(2-ethylhexyl) Phthalate-Induced MMP-2 and MMP-9 Expression in A7r5 Rat Vascular Smooth Muscle Cells.

"701057 was used in western blot to test if DEHP affects MMP-2 or MMP-9 expression in vascular smooth muscle cells"

Authors: Shih MF,Pan KH,Cherng JY

Species
Human

Dilution
1:1000

Year
2015

Miscellaneous PubMed (1)

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