For Research Use Only

p38 MAPK Polyclonal ANTIBODY

Catalog Number: 14064-1-AP

Basic Information

Catalog Number: 14064-1-AP
Size: 24 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG5115

GenBank Accession Number:

Recommended Dilutions:
WB 1:500-1:1000
IF 1:20-1:200

For Research Use Only

www.ptglab.com

Applications

Tested Applications:
IF, WB, ELISA
Cited Applications:
IHC, WB
Species Specificity:
human, mouse, rat
Cited Species:
A. sphaerocephala Krasch, human, mouse, rabbit, rat

Background Information

MAPK14 (mitogen-activated protein kinase 14) is also named as SAPK2A, p38/MAPK, CSBP1, RK, p38, EXP1, Tk2, CSBP2, PRKMT4, PRKMT5, CSBP1, p38ALPHA and belongs to the MAP kinase subfamily. MAPK14-signaling is a central pathway for the integration of instructive signals in dendritic cells for T(H)17 differentiation and inflammation (PMID: 22231518). It plays an important role in the regulation of hematopoietic stem cell self-renewal in vitro and inhibition of MAPK14 activation with a small molecule inhibitor may represent a novel approach to promote ex vivo expansion of hematopoietic stem cell (PMID: 21198398). This protein has some isoforms with MW 29-31 kDa, 35 kDa and 41 kDa.

Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
<th>PubMed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yuqing Mao</td>
<td>27965476</td>
<td>Biomed Pharmacother</td>
<td>WB</td>
</tr>
<tr>
<td>Jian-Min Lv</td>
<td>30254472</td>
<td>Onco Targets Ther</td>
<td>WB</td>
</tr>
<tr>
<td>Libo Hou</td>
<td>28890064</td>
<td>Mol Immunol</td>
<td>WB</td>
</tr>
</tbody>
</table>

Storage

Store at -20°C. Stable for one year after shipment. Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Aliquoting is unnecessary for -20°C storage.

For technical support and original validation data for this product please contact:
T. 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or (312) 405-8498 (outside USA)
E. proteintech@ptglab.com
W. ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Selected Validation Data

WB result of p38 antibody (14064-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-p38 transfected Jurkat cells mouse heart tissue were subjected to SDS-PAGE followed by western blot with 14064-1-AP p38 antibody at dilution of 1:800 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 14064-1-AP p38 antibody at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).