**Basic Information**

- **Catalog Number:** 17572-1-AP
- **Size:** 34 μg/150 μl
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Antigen affinity purification
- **Immunogen Catalog Number:** AG11785
- **GenBank Accession Number:** BC065516
- **GeneID (NCBI):** 5602
- **Full Name:** mitogen-activated protein kinase 10
- **Calculated MW:** 464aa, 53 kDa
- **Observed MW:** 45-48 kDa, 54-57 kDa

**Recommended Dilutions:**
- **WB:** 1:500-1:2000
- **IF:** 1:10-1:100

**Applications**

- **Tested Applications:** IF, WB, ELISA
- **Cited Applications:** WB
- **Species Specificity:** human, mouse, rat
- **Cited Species:** human, rat

**Note:** suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

**Positive Controls:**
- **WB:** mouse brain tissue; mouse cerebellum tissue
- **IF:** HepG2 cells

**Background Information**

**Notable Publications**

<table>
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<tr>
<th>Author</th>
<th>Pubmed ID</th>
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<th>Application</th>
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<tbody>
<tr>
<td>Yuan-Jian Song</td>
<td>30412737</td>
<td>Behav Brain Res</td>
<td>WB</td>
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<tr>
<td>Xiaochun Yang</td>
<td>25044439</td>
<td>Anat Rec (Hoboken)</td>
<td>WB</td>
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**Storage**

- **Store at:** -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.02% 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) 455-8498 (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

Mouse brain tissue were subjected to SDS PAGE followed by western blot with 17521-1-AP (MAPK10 antibody) at dilution of 1:1,000 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of HepG2 cells, using MAPK10 antibody 17521-1-AP at 1:20 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).