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# anti-MAPK10 antibody





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#### Overview

| Quantity:    | 100 μL                                |
|--------------|---------------------------------------|
| Target:      | MAPK10                                |
| Reactivity:  | Human                                 |
| Host:        | Rabbit                                |
| Clonality:   | Polyclonal                            |
| Conjugate:   | This MAPK10 antibody is un-conjugated |
| Application: | Western Blotting (WB)                 |

### **Product Details**

| Purpose:          | JNK3 Rabbit pAb                    |
|-------------------|------------------------------------|
| Immunogen:        | Recombinant protein of human JNK3. |
| Isotype:          | IgG                                |
| Cross-Reactivity: | Human, Mouse, Rat                  |
| Characteristics:  | Polyclonal Antibodies              |
| Purification:     | Affinity purification              |

## Target Details

| Target:           | MAPK10  |
|-------------------|---|
| Alternative Name: | MAPK10 (MAPK10 Products)  |
| Background:       | The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as |

integration points 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 specifically expressed in a subset of neurons in the nervous system and is activated by threonine and tyrosine phosphorylation. Targeted deletion of this gene in mice suggests that it may have a role in stress-induced neuronal apoptosis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. A recent study provided evidence for translational readthrough in this gene and expression of an additional C-terminally extended isoform via the use of an alternative in-frame translation termination codon.,JNK3,JNK3A,PRKM10,SAPK1b,p493F12,p54bSAPK,MAPK10,Cancer,Signal Transduction, G protein signaling, G2/M DNA Damage Checkpoint, Kinase, Serine/threonine kinases, ErbB-HER Signaling Pathway, MAPK-JNK Signaling Pathway, Cell Biology & Developmental Biology, Apoptosis, Mitochondrial Control of Apoptosis, Inhibition of Apoptosis, Death Receptor Signaling Pathway, TGF-b-Smad Signaling Pathway, Endocrine & Metabolism, Insulin Receptor Signaling Pathway, Immunology & Inflammation, B Cell Receptor Signaling Pathway, T Cell Receptor Signaling Pathway, NF-kB Signaling Pathway, Toll-like Receptor Signaling Pathway, Neuroscience, Neurodegenerative Diseases, Dopamine Signaling in Parkinson's Disease, MAPK10

| Molecular Weight: | 48kDa/52kDa  |
|-------------------|--|
| Gene ID:          | 5602   |
| UniProt:          | P53779   |
| Pathways:         | MAPK Signaling, WNT Signaling, TLR Signaling, Fc-epsilon Receptor Signaling Pathway, Activation of Innate immune Response, Hepatitis C, Toll-Like Receptors Cascades |

#### **Application Details**

| Application Notes: | WB,1:500 - 1:2000     |
|--------------------|-----------------------|
| Restrictions:      | For Research Use only |

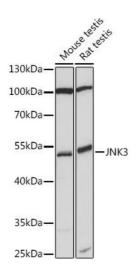
#### Handling

| Format:            | Liquid  |
|--------------------|---|
| Buffer:            | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.                           |
| Preservative:      | Sodium azide  |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which |

#### Handling

|                  | should be handled by trained staff only.    |
|------------------|---|
| Storage:         | -20 °C                                      |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |

#### **Images**



#### **Western Blotting**

Image 1. Western blot analysis of extracts of various cell lines, using JNK3 antibody (ABIN7268612) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.