

## Rabbit anti-Human, mouse MAPK11 Polyclonal Antibody | anti-MAPK11 antibody

MAPK11 Antibody (Center)

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                              |
|-----------|--------|--------------|-------------------------------------------|
| AAA290068 | Rabbit | Human, mouse | Immunohistochemistry, ELISA, Western Blot |

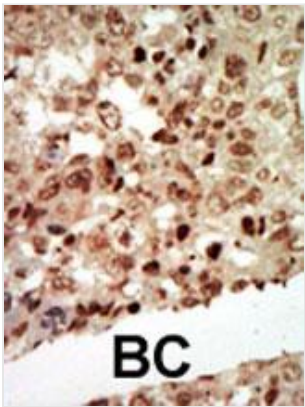
### PRODUCT SYNONYMS

MAPK11; Polyclonal Antibody; MAPK11 Antibody (Center); Mitogen-activated protein kinase 11; MAP kinase 11; MAPK 11; Mitogen-activated protein kinase p38 beta; MAP kinase p38 beta; p38b; Stress-activated protein kinase 2b; SAPK2b; p38-2; PRKM11; SAPK2; SAPK2B; anti-MAPK11 antibody

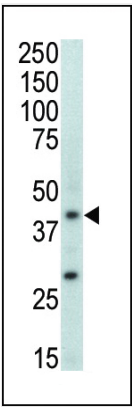
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                           |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                    |
| Reactivity                                       | Human, mouse                                                                                                                                                                              |
| Clonality                                        | Polyclonal                                                                                                                                                                                |
| Isotype                                          | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                      | This MAPK11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 334-366 amino acids from the center region of human MAPK11.                      |
| Purity/Purification                              | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/Format                                      | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                    | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                               | 334-366                                                                                                                                                                                   |
| Sequence Length                                  | 213                                                                                                                                                                                       |
| Applicable Applications for anti-MAPK11 antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                                      |
| Antigen Type                                     | Synthetic Peptide                                                                                                                                                                         |
| Antigen Source                                   | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                          | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |

IMAGES



**IHC (Immunohiostchemistry)**  
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



**WB (Western Blot)**  
Western blot analysis of anti-MAPK11 Pab in mouse brain tissue lysate. MAPK11 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MAPK11 antibody | MAPK11 is a Ser/Thr kinase involved in a signal transduction pathway that is activated by changes in the osmolarity of the extracellular environment, by cytokines, or by environmental stress. It preferentially phosphorylates transcription factor ATF2. This protein is activated by phosphorylation on threonine and tyrosine by MKK6, and is inhibited by pyridinyl-imidazole related compounds. Highest expression levels are in the brain and heart, with additional expression in the placenta, lung, liver, skeletal muscle, kidney and pancreas. |
| Product Categories/Family for anti-MAPK11 antibody   | Signal Transduction; Amyotrophic Lateral Sclerosis (ALS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| References                                           | Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002).<br>Dunham, I., et al., Nature 402(6761):489-495 (1999).<br>Enslin, H., et al., J. Biol. Chem. 273(3):1741-1748 (1998).<br>Kumar, S., et al., Biochem. Biophys. Res. Commun. 235(3):533-538 (1997).<br>Stein, B., et al., J. Biol. Chem. 272(31):19509-19517 (1997).                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 20128774                                                               |
| NCBI GeneID                      | 5600                                                                   |
| NCBI Accession #                 | NP_002742.3                                                            |
| NCBI GenBank Nucleotide #        | NM_002751.6                                                            |
| UniProt Accession #              | Q15759; O00284; O15472; Q2XNF2; A8K730; B0LPG1; B7Z630; E7ETQ1; L7RT27 |
| Molecular Weight                 | 41357                                                                  |
| NCBI Official Full Name          | mitogen-activated protein kinase 11                                    |
| NCBI Official Synonym Full Names | mitogen-activated protein kinase 11                                    |
| NCBI Official Symbol             | MAPK11                                                                 |
| NCBI Official Synonym Symbols    | P38B; SAPK2; p38-2; PRKM11; SAPK2B; p38Beta; P38BETA2                  |
| NCBI Protein Information         | mitogen-activated protein kinase 11                                    |
| UniProt Protein Name             | Mitogen-activated protein kinase 11                                    |
| UniProt Gene Name                | MAPK11                                                                 |

|                            |                                                                                  |
|----------------------------|----------------------------------------------------------------------------------|
| UniProt Synonym Gene Names | PRKM11; SAPK2; SAPK2B; MAP kinase 11; MAPK 11; MAP kinase p38 beta; p38b; SAPK2b |
| UniProt Entry Name         | MK11_HUMAN                                                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mapk11-antibody-immunohistochemistry-western-blot-elisa/290068>