

Datasheet for ABIN391327

anti-MAPK10 antibody (N-Term)**2** Images[Go to Product page](#)

Overview

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|----------------------|--|
| Quantity: | 400 µL |
| Target: | MAPK10 |
| Binding Specificity: | AA 7-34, N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MAPK10 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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|---------------|---|
| Immunogen: | This MAPK10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 7-34 amino acids from the N-terminal region of human MAPK10. |
| Clone: | RB03190 |
| Isotype: | IgG |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

| | |
|-------------------|--|
| Target: | MAPK10 |
| Alternative Name: | MAPK10 (MAPK10 Products) |
| Background: | MAPK10 is a member of the MAP kinase family. MAP kinases act as an integration point for |

Target Details

multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This protein is a neuronal-specific form of c-Jun N-terminal kinases (JNKs). Through its phosphorylation and nuclear localization, this kinase plays regulatory roles in the signaling pathways during neuronal apoptosis. Beta-arrestin 2, a receptor-regulated MAP kinase scaffold protein, is found to interact with, and stimulate the phosphorylation of this kinase by MAP kinase kinase 4 (MKK4). Cyclin-dependent kinase 5 can phosphorylate, and inhibit the activity of this kinase, which may be important in preventing neuronal apoptosis.

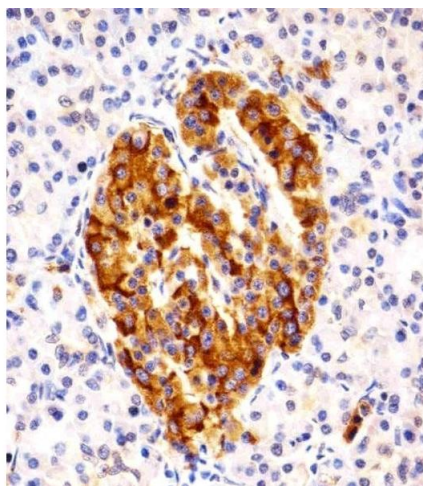
| | |
|-------------------|--|
| Molecular Weight: | 52585 |
| Gene ID: | 5602 |
| NCBI Accession: | NP_002744 , NP_620446 , NP_620447 , NP_620448 |
| UniProt: | P53779 |
| Pathways: | MAPK Signaling , WNT Signaling , TLR Signaling , Fc-epsilon Receptor Signaling Pathway , Activation of Innate immune Response , Hepatitis C , Toll-Like Receptors Cascades |

Application Details

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|--------------------|-------------------------|
| Application Notes: | WB: 1:1000. IHC-P: 1:25 |
| Restrictions: | For Research Use only |

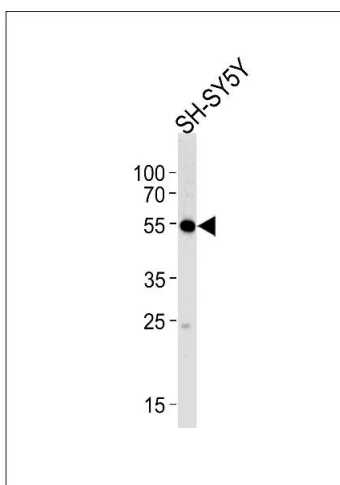
Handling

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|--------------------|--|
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date: | 6 months |



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of paraffin-embedded H. pancreas section using PK10 Antibody (N-term) (ABIN391327 and ABIN2841357). (ABIN391327 and ABIN2841357) was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Western Blotting

Image 2. PK10 Antibody (C21) (ABIN391327 and ABIN2841357) western blot analysis in SH-SY5Y cell line lysates (35 µg/lane). This demonstrates the PK10 antibody detected the PK10 protein (arrow).