

Datasheet for ABIN7160061
anti-MAP3K9 antibody (AA 864-1098)

3 Images

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Overview

| | |
|----------------------|---|
| Quantity: | 100 µg |
| Target: | MAP3K9 |
| Binding Specificity: | AA 864-1098 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MAP3K9 antibody is un-conjugated |
| Application: | ELISA, Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF) |

Product Details

| | |
|-------------------|---|
| Immunogen: | Recombinant Human Mitogen-activated protein kinase kinase kinase 9 protein (864-1098AA) |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Rat |
| Purification: | >95%, Protein G purified |

Target Details

| | |
|-------------------|---|
| Target: | MAP3K9 |
| Alternative Name: | MAP3K9 (MAP3K9 Products) |
| Background: | Background: Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. Plays an important role in the cascades of cellular responses |

Target Details

evoked by changes in the environment. Once activated, acts as an upstream activator of the MKK/JNK signal transduction cascade through the phosphorylation of MAP2K4/MKK4 and MAP2K7/MKK7 which in turn activate the JNKs. The MKK/JNK signaling pathway regulates stress response via activator protein-1 (JUN) and GATA4 transcription factors. Plays also a role in mitochondrial death signaling pathway, including the release cytochrome c, leading to apoptosis.

Aliases: M3K9_HUMAN antibody, Map3k9 antibody, MEKK9 antibody, Mitogen activated protein kinase kinase kinase 9 antibody, Mitogen-activated protein kinase kinase kinase 9 antibody, Mixed lineage kinase 1 (tyr and ser/thr specificity) antibody, Mixed lineage kinase 1 antibody, MLK1 antibody, PRKE1 antibody

UniProt: [P80192](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:100-1:500, IF:1:50-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

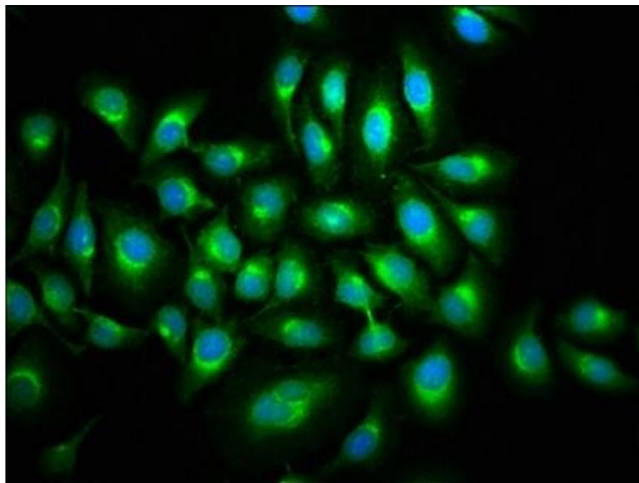
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

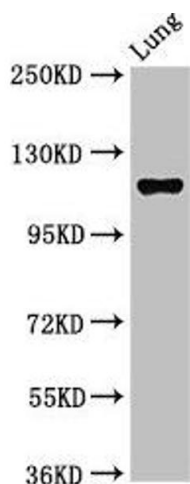
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



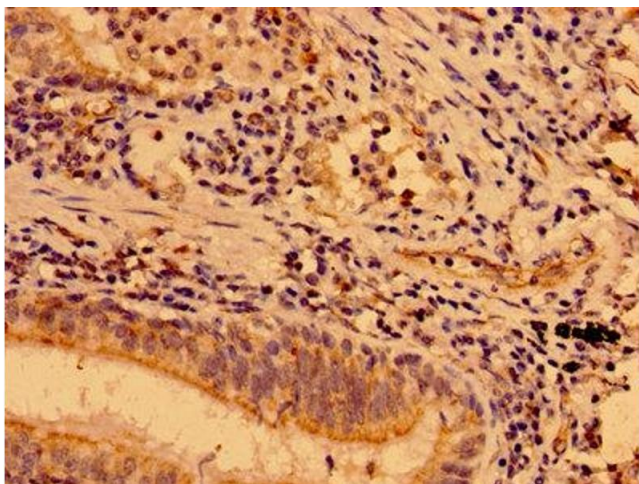
Immunofluorescence

Image 1. Immunofluorescence staining of A549 cells with ABIN7160061 at 1:133, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Western Blotting

Image 2. Western Blot Positive WB detected in: Rat lung tissue All lanes: MAP3K9 antibody at 2.7 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 122, 124 kDa Observed band size: 122 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7160061 diluted at 1:400 and staining in paraffin-embedded human lung cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.