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**Product Name: ASK1 Rabbit Monoclonal Antibody****Catalog #: AMRe21269**

For research use only.

**Summary**

|                      |   |
|----------------------|---|
| <b>Description</b>   | Recombinant rabbit monoclonal antibody                                      |
| <b>Host</b>          | Rabbit  |
| <b>Application</b>   | WB,IHC,IF,ELISA   |
| <b>Reactivity</b>    | Human,Mouse   |
| <b>Conjugation</b>   | Unconjugated  |
| <b>Modification</b>  | Unmodified  |
| <b>Isotype</b>       | IgG,Kappa   |
| <b>Clonality</b>     | Monoclonal  |
| <b>Form</b>          | Liquid  |
| <b>Concentration</b> | 0.3mg/ml. The concentration of this product may be batch-dependent.         |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>      | Ice bags  |
| <b>Buffer</b>        | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%protective protein               |
| <b>Purification</b>  | Protein A   |

**Application**

|                         |  |
|-------------------------|--|
| <b>Dilution Ratio</b>   | IHC 1:100-1:400;WB 1:1000-1:5000;IF 1:200-1:1000;ELISA 1:5000-1:20000; |
| <b>Molecular Weight</b> | Calculated MW:155kD;Observed MW:155kD                                  |

**Antigen Information**

|                          |  |
|--------------------------|--|
| <b>Gene Name</b>         | MAP3K5<br>MAP3K5;ASK1;MAPKKK5;MEKK5;Mitogen-activated protein kinase kinase kinase       |
| <b>Alternative Names</b> | 5;Apoptosis signal-regulating kinase 1;ASK-1;MAPK/ERK kinase kinase 5;MEK kinase 5;MEKK5 |
| <b>Gene ID</b>           | 4217.0   |
| <b>SwissProt ID</b>      | Q99683   |
| <b>Immunogen</b>         | A synthetic peptide of human ASK1  |

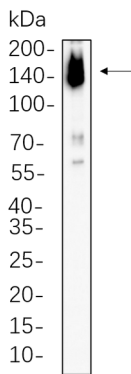
**Background**

Cell localization:Cytoplasm.Mitogen-activated protein kinase (MAPK) signaling cascades include MAPK or extracellular signal-

regulated kinase (ERK), MAPK kinase (MKK or MEK), and MAPK kinase kinase (MAPKKK or MEKK). MAPKK kinase/MEKK phosphorylates and activates its downstream protein kinase, MAPK kinase/MEK, which in turn activates MAPK. The kinases of these signaling cascades are highly conserved, and homologs exist in yeast, *Drosophila*, and mammalian cells. MAPKKK5 contains 1,374 amino acids with all 11 kinase subdomains. Northern blot analysis shows that MAPKKK5 transcript is abundantly expressed in human heart and pancreas. The MAPKKK5 protein phosphorylates and activates MKK4 (aliases SERK1, MAPKK4) *in vitro*, and activates c-Jun N-terminal kinase (JNK)/stress-activated protein kinase (SAPK) during transient expression in COS and 293 cells; MAPKKK5 does not activate MAPK/ERK. [provided by Re

## Research Area

### Image Data



SiHa cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with ASK1 Rabbit Monoclonal Antibody 1:1000. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.