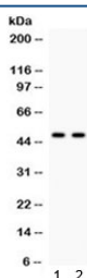


## JNK2 Antibody (alpha/beta) (R32105)

| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| R32105      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                             |
| <b>Species Reactivity</b> | Human                                                         |
| <b>Format</b>             | Antigen affinity purified                                     |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                    |
| <b>Isotype</b>            | Rabbit IgG                                                    |
| <b>Purity</b>             | Antigen affinity                                              |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide |
| <b>UniProt</b>            | P45984                                                        |
| <b>Applications</b>       | Western Blot : 0.1-0.5ug/ml                                   |
| <b>Limitations</b>        | This JNK2 antibody is available for research use only.        |



Western blot testing of human 1) HeLa and 2) COLO320 cell lysate with JNK2 antibody. Expected/observed molecular weight ~48 kDa.

## Description

JNK2 is also known as MAPK9. The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase targets specific transcription factors, and thus mediates immediate-early gene expression in response to various cell stimuli. It is most closely related to MAPK8, both of which are involved in UV radiation induced apoptosis, thought to be related to the cytochrome c-mediated cell death pathway. Also, this gene and MAPK8 are also known as c-Jun N-terminal kinases. This kinase blocks the ubiquitination of tumor suppressor p53, and thus it increases the stability of p53 in nonstressed cells. Studies of this gene's mouse counterpart suggest a key role in T-cell differentiation. Several alternatively spliced transcript variants

encoding distinct isoforms have been reported.

## Application Notes

Optimal dilution of the JNK2 antibody should be determined by the researcher.

## Immunogen

Amino acids RNYVENRPKYPGIKFEELFPDWIFPSESERDK of human JNK2a/b were used as the immunogen for the JNK2 antibody.

## Storage

After reconstitution, the JNK2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.