

Datasheet for ABIN1531905  
**anti-MEK2 antibody (AA 261-310)**



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2 Images

## Overview

|                      |                                                                                    |
|----------------------|------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                             |
| Target:              | MEK2 (MAP2K2)                                                                      |
| Binding Specificity: | AA 261-310                                                                         |
| Reactivity:          | Human, Mouse, Rat                                                                  |
| Host:                | Rabbit                                                                             |
| Clonality:           | Polyclonal                                                                         |
| Conjugate:           | This MEK2 antibody is un-conjugated                                                |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunoprecipitation (IP) |

## Product Details

|               |                                                                                                                                                                                                                   |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | The antiserum was produced against synthesized peptide derived from human MEK2 around the phosphorylation site of Thr394.                                                                                         |
| Isotype:      | IgG                                                                                                                                                                                                               |
| Specificity:  | MEK2 (Phospho-Thr394) Antibody detects endogenous levels of MEK2 only when phosphorylated at Thr394.                                                                                                              |
| Purification: | The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide. |
| Purity:       | > 95 %                                                                                                                                                                                                            |

## Target Details

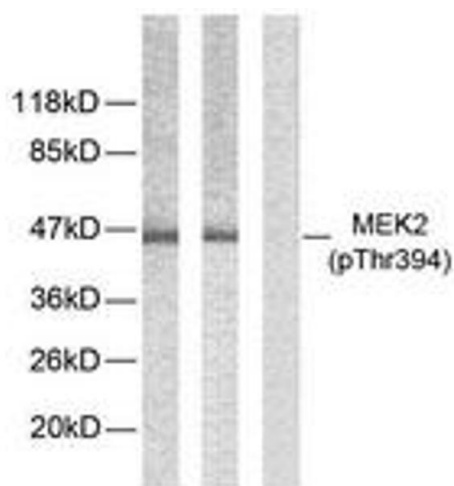
|                   |                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | MEK2 (MAP2K2)                                                                                                                                                                                                                                                                                                                                                                  |
| Alternative Name: | MEK2 ( <a href="#">MAP2K2 Products</a> )                                                                                                                                                                                                                                                                                                                                       |
| Background:       | Synonyms: MAP2K2, Dual specificity mitogen-activated protein kinase kinase 2, MAP kinase kinase 2, MAPKK 2, ERK activator kinase 2, MAPK/ERK kinase 2, MEK2, MEK2, MKK2, PRKMK2<br>NCBI Gene Symbol: MAP2K2                                                                                                                                                                    |
| Molecular Weight: | 44 kDa                                                                                                                                                                                                                                                                                                                                                                         |
| Gene ID:          | 5606                                                                                                                                                                                                                                                                                                                                                                           |
| OMIM:             | 115150                                                                                                                                                                                                                                                                                                                                                                         |
| UniProt:          | <a href="#">P36507</a>                                                                                                                                                                                                                                                                                                                                                         |
| Pathways:         | <a href="#">MAPK Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">Signaling of Hepatocyte Growth Factor Receptor</a> , <a href="#">BCR Signaling</a> |

## Application Details

|                    |                                                      |
|--------------------|------------------------------------------------------|
| Application Notes: | WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:10000      |
| Comment:           | Unigene-Number: Hs.465628 (NCBI Gene Symbol: MAP2K2) |
| Restrictions:      | For Research Use only                                |

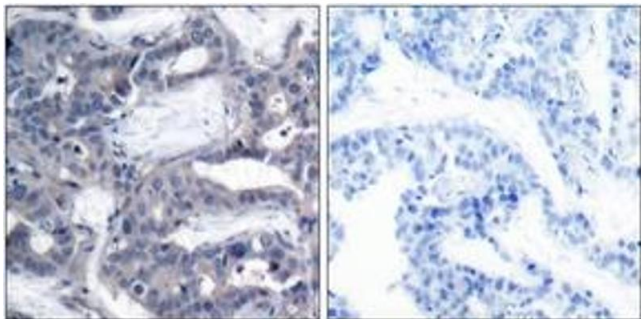
## Handling

|                    |                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                  |
| Concentration:     | 1 mg/mL                                                                                                                                 |
| Buffer:            | phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| 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:           | -20 °C                                                                                                                                  |
| Storage Comment:   | Stable at -20°C for at least 1 year.                                                                                                    |
| Expiry Date:       | 12 months                                                                                                                               |



#### Western Blotting

**Image 1.** Western blot analysis of extracts from ovary cancer, using MEK2 (Phospho-Thr394) Antibody. The lane on the right is treated with the synthesized peptide.



#### Immunohistochemistry

**Image 2.** Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using MEK2 (Phospho-Thr394) Antibody. The picture on the right is treated with the synthesized peptide.