

# Product Datasheet

## MEK1 Antibody - BSA Free

### NBP1-87790

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-87790**

MEK1 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

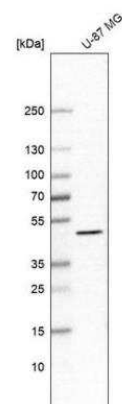
<b>Host</b>	Rabbit
<b>Gene ID</b>	5604
<b>Gene Symbol</b>	MAP2K1
<b>Species</b>	Human
<b>Reactivity Notes</b>	Human reactivity reported in scientific literature (PMID: 25408231).
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: MPKKKPTPIQLNPAPDGSVNGTSSAETNLEALQKKLEELDEQQRKRLEAFL TQKQ

**Product Application Details**

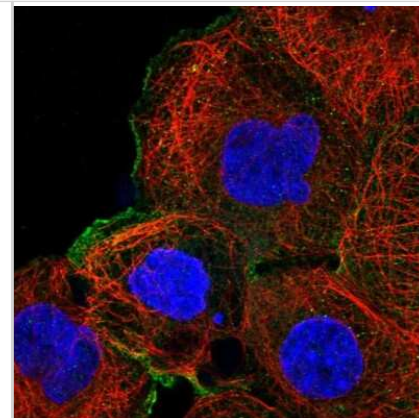
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:20 - 1:50
<b>Application Notes</b>	IHC reported in scientific literature (PMID: 25408231). For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/Immunofluorescence Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

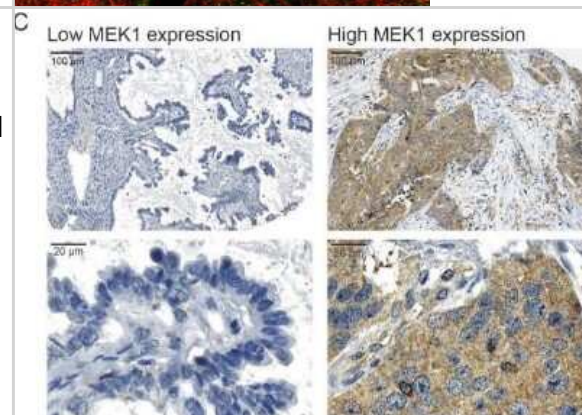
Western Blot: MEK1 Antibody [NBP1-87790] - Analysis in human cell line U-87 MG.



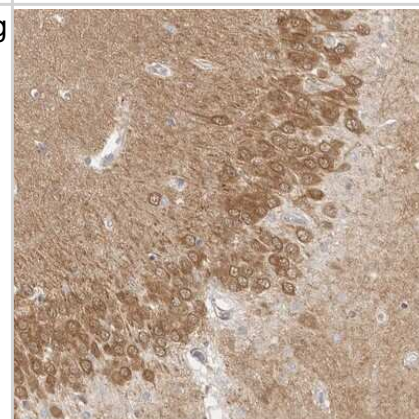
Immunocytochemistry/Immunofluorescence: MEK1 Antibody [NBP1-87790] - Immunofluorescent staining of human cell line A-431 shows localization to plasma membrane & cytosol.



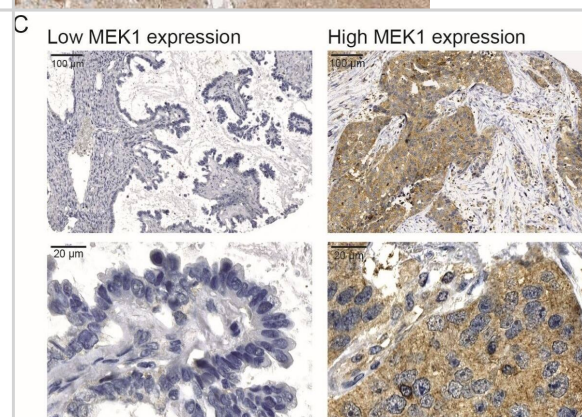
Immunohistochemistry: MEK1 Antibody [NBP1-87790] - Correlation between MEK1 expression and survival after platinum treatment in EOC patients. Representative images of immunohistochemistry, low and high expression of MEK1 at low and high magnifications. Image collected and cropped by CiteAb from the following publication (<https://bmccancer.biomedcentral.com/articles/10.1186/1471-2407-14-837>), licensed under a CC-BY license.



Immunohistochemistry-Paraffin: MEK1 Antibody [NBP1-87790] - Staining of human hippocampus shows moderate cytoplasmic positivity in neuronal cells.



Correlation between MEK1 expression and survival after platinum treatment in EOC patients. Expression measured by qRT-PCR: relapse-free survival of 34 patients with low and high MEK1 expressing tumors (A). Expression tested with IHC: overall survival of 59 independent patients with low and high MEK1 expression (B). Representative images of immunohistochemistry, low and high expression of MEK1 at low and high magnifications (C).



## Publications

Penzvalto Z, Lanczky A, Lenart J et al. MEK1 is associated with carboplatin resistance and is a prognostic biomarker in epithelial ovarian cancer. BMC Cancer 2014-11-18 [PMID: 25408231] (IF/IHC, Human)



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### **Products Related to NBP1-87790**

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NBP1-87790PEP	MEK1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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