

# 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.

[www.novusbio.com](http://www.novusbio.com)



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#### Publications: 1

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**NBP1-87790**

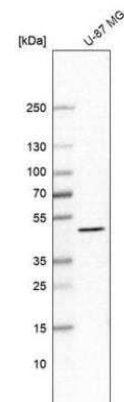
MEK1 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Description	Novus Biologicals Rabbit MEK1 Antibody - BSA Free (NBP1-87790) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-MEK1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5604
Gene Symbol	MAP2K1
Species	Human
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 25408231).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: MPKKKPTPIQLNPAPDGSVNGTSSAETNLEALQKKLEELDEQQRKRLEAFL TQKQ
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	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
Application Notes	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.

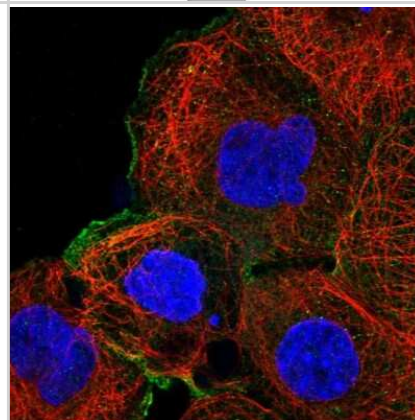


## Images

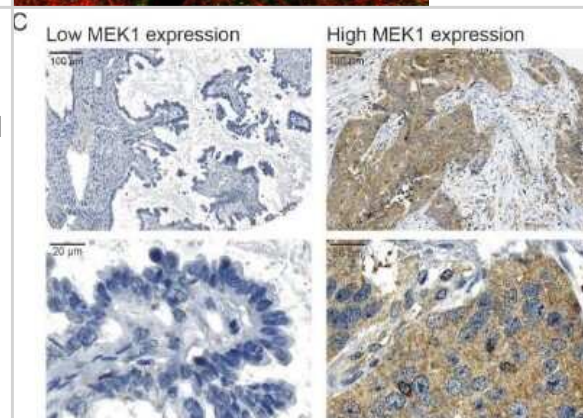
Western Blot: MEK1 Antibody [NBP1-87790] - Analysis in human cell line U-87 MG.



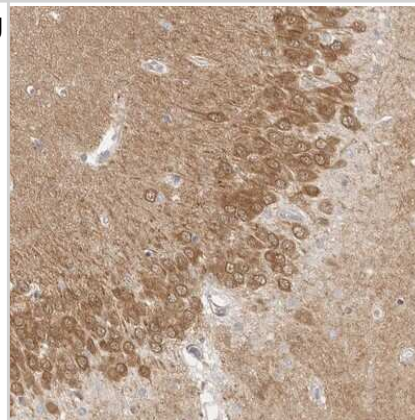
Immunocytochemistry/Immunofluorescence: MEK1 Antibody [NBP1-87790] - Immunofluorescent staining of human cell line A-431 shows localization to plasma membrane & cytosol.



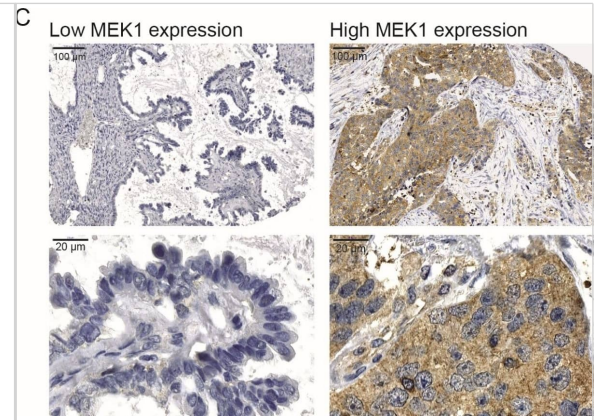
Immunohistochemistry: MEK1 Antibody [NBP1-87790] - Correlation between MEK1 expression and survival after platinum treatment in EOC patients. Representative images of immunohistochemistry, low and high expression of MEK1 at low and high magnifications. Image collected and cropped by CiteAb from the following 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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