

# Product Datasheet

## MKK4/MEK4 Antibody (OTI8A8) - Azide and BSA Free NBP2-72710

Unit Size: 100 ug

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-72710**

MKK4/MEK4 Antibody (OT18A8) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OT18A8
Preservative	No Preservative
Reconstitution Instructions	we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process.
Isotype	IgG2b
Purity	Immunogen affinity purified
Buffer	Lyophilized from PBS (pH 7.3) with 8% Trehalose
Target Molecular Weight	44.3 kDa

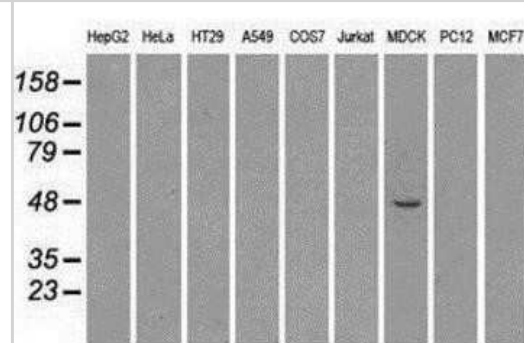
Product Description	
Description	Novus Biologicals Mouse MKK4/MEK4 Antibody (OT18A8) - Azide and BSA Free (NBP1-47839) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	6416
Gene Symbol	MAP2K4
Species	Human, Mouse, Rat, Canine
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Full-length protein expressed in 293T cell transfected with human MAP2K4 expression vector

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot 1:500-1000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence 1:50-100, Immunoprecipitation 2ug/500ul, Immunohistochemistry-Paraffin, CyTOF-ready

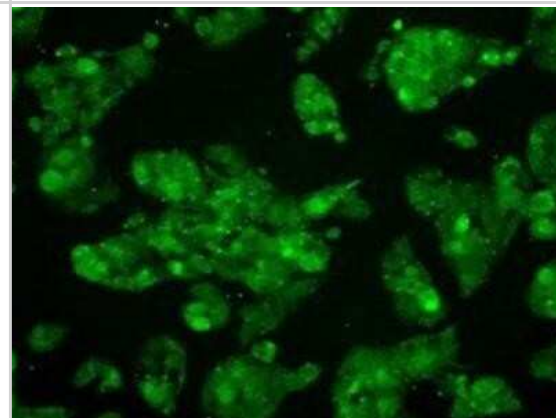


## Images

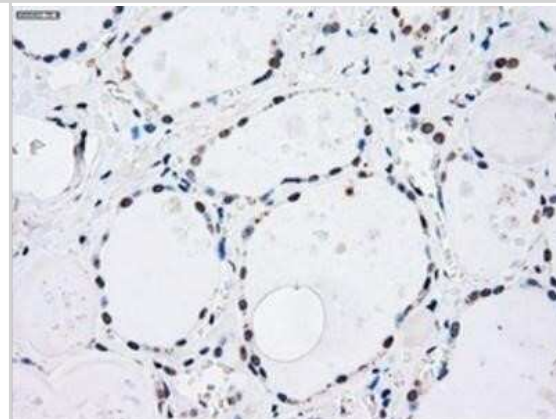
Western Blot: MKK4/MEK4 Antibody (OT18A8) - Azide and BSA Free [NBP2-72710] - Analysis of extracts (35ug) from 9 different cell lines by using anti-MEK4 monoclonal antibody.



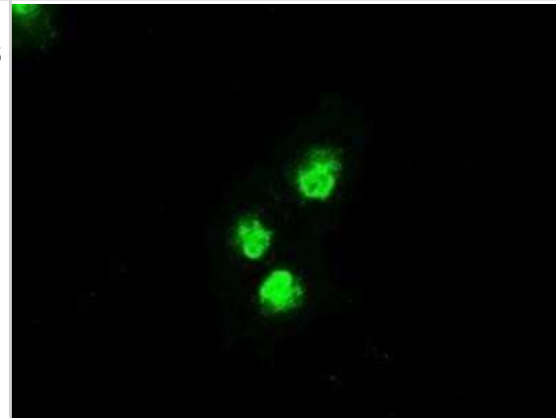
Immunocytochemistry/Immunofluorescence: MKK4/MEK4 Antibody (OT18A8) - Azide and BSA Free [NBP2-72710] - Staining of HepG2 cells using anti-MEK4 mouse monoclonal antibody.



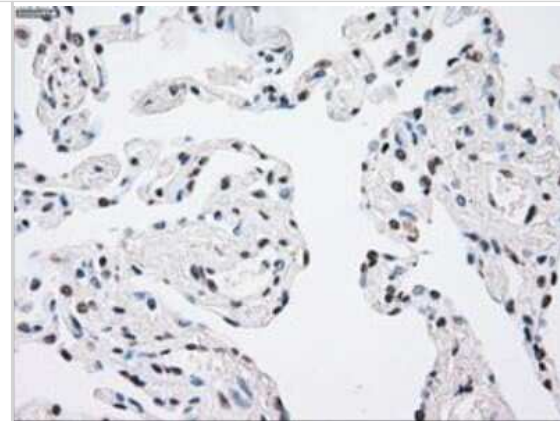
Immunohistochemistry: MKK4/MEK4 Antibody (OT18A8) - Azide and BSA Free [NBP2-72710] - Staining of paraffin-embedded Human thyroid tissue using anti-MEK4 mouse monoclonal antibody.



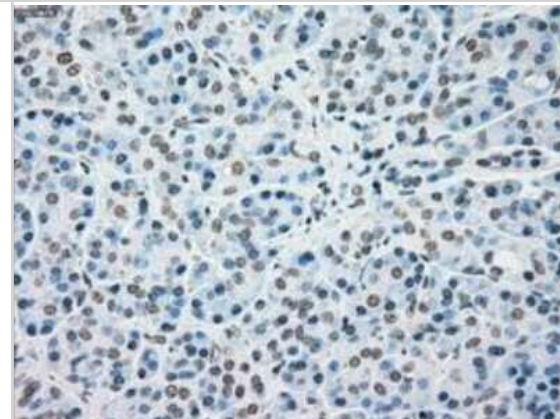
Flow Cytometry: MKK4/MEK4 Antibody (OT18A8) - Azide and BSA Free [NBP2-72710] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY MEK4.



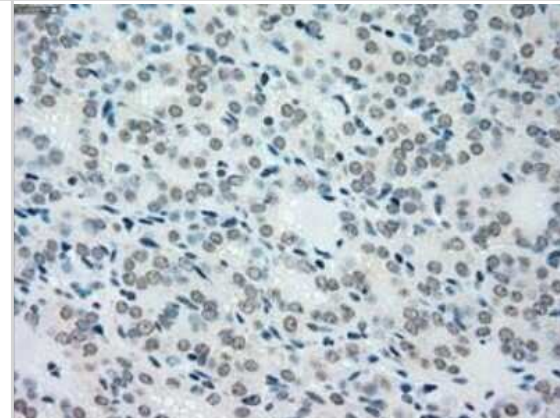
Immunohistochemistry: MKK4/MEK4 Antibody (OT18A8) - Azide and BSA Free [NBP2-72710] - Staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-MEK4 mouse monoclonal antibody.



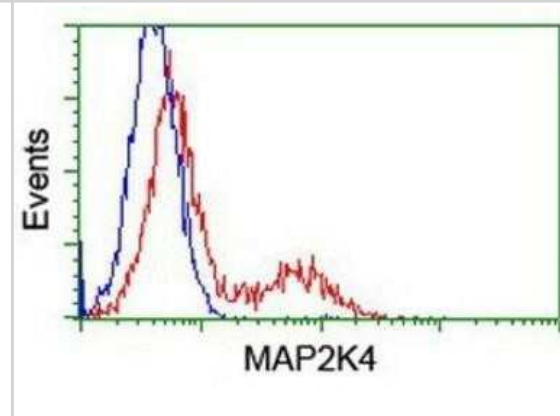
Immunohistochemistry: MKK4/MEK4 Antibody (OT18A8) - Azide and BSA Free [NBP2-72710] - Staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-MEK4 mouse monoclonal antibody.



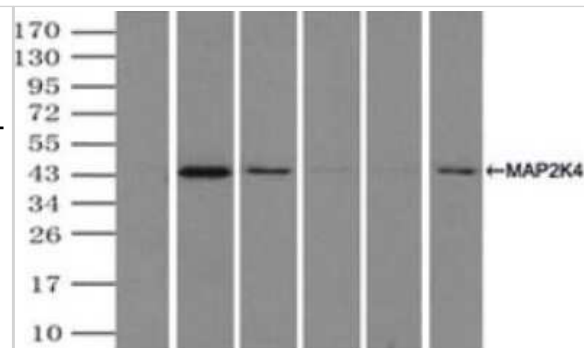
Immunohistochemistry: MKK4/MEK4 Antibody (OT18A8) - Azide and BSA Free [NBP2-72710] - Staining of paraffin-embedded Human pancreas tissue using anti-MEK4 mouse monoclonal antibody.



Flow Cytometry: MKK4/MEK4 Antibody (OT18A8) - Azide and BSA Free [NBP2-72710] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostaining by anti-MEK4 antibody, and then analyzed by flow cytometry.



Immunoprecipitation: MKK4/MEK4 Antibody (OTI8A8) - Azide and BSA Free [NBP2-72710] - (Negative control: IP without adding anti-MAP2K4 antibody.). For each experiment, 500ul of DDK tagged MAP2K4 overexpression lysates (at 1:5 dilution with HEK293T lysate), 2ug of anti-MAP2K4 antibody and 20ul (0.1mg) of goat anti-mouse conjugated magnetic beads were mixed and incubated overnight. After extensive wash to remove any non-specific binding, the immuno-precipitated products were analyzed with rabbit anti-DDK polyclonal antibody.





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### **Products Related to NBP2-72710**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

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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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