

# Product Datasheet

## ERK4/MAPK4 Antibody (OTI2D7) NBP2-45743

Unit Size: 0.1 ml

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

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Updated 9/20/2021 v.20.1

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**NBP2-45743**

ERK4/MAPK4 Antibody (OTI2D7)

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	OTI2D7
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG2b
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
<b>Target Molecular Weight</b>	65.7 kDa

**Product Description**

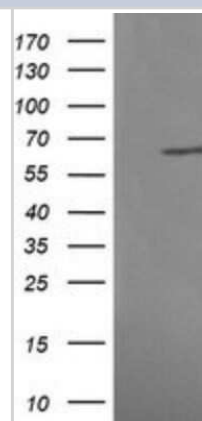
<b>Host</b>	Mouse
<b>Gene ID</b>	5596
<b>Gene Symbol</b>	MAPK4
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background 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.
<b>Immunogen</b>	Full length human recombinant protein of human MAPK4(NP_002738) produced in HEK293T cell.

**Product Application Details**

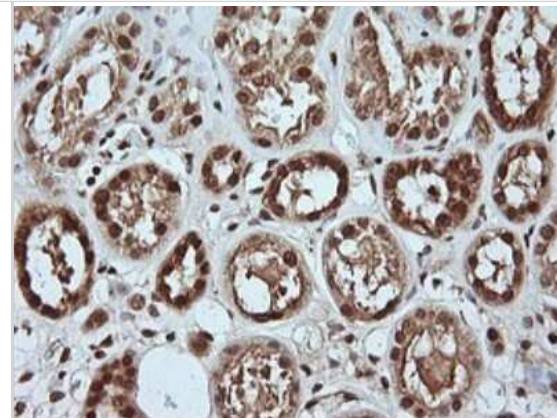
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:4000, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin, Immunofluorescence 1:100

**Images**

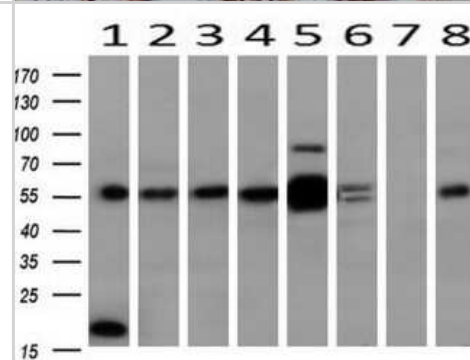
Western Blot: ERK4/MAPK4 Antibody (OTI2D7) [NBP2-45743] - Analysis of HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MAPK4 .



Immunohistochemistry: ERK4/MAPK4 Antibody (OTI2D7) [NBP2-45743]  
 - Analysis of Human Kidney tissue. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120C for 3min)



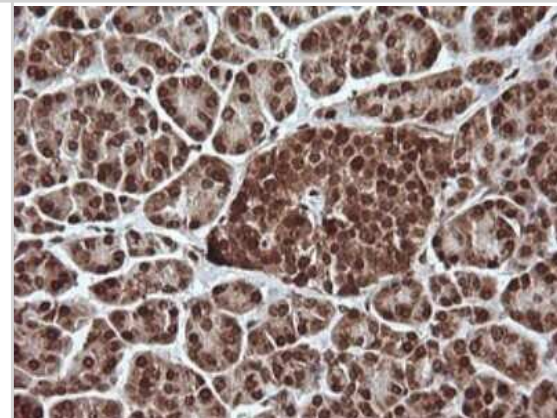
Western Blot: ERK4/MAPK4 Antibody (OTI2D7) [NBP2-45743] -  
 Analysis of extracts (10ug) from 8 Human tissue (1: Testis; 2: Uterus; 3: Breast; 4: Brain; 5: Liver; 6: Ovary; 7: Thyroid gland; 8: Colon).



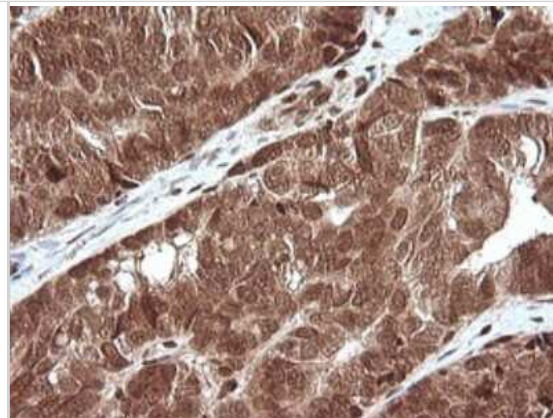
Immunohistochemistry: ERK4/MAPK4 Antibody (OTI2D7) [NBP2-45743]  
 - Analysis of Adenocarcinoma of Human endometrium tissue. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120C for 3min)



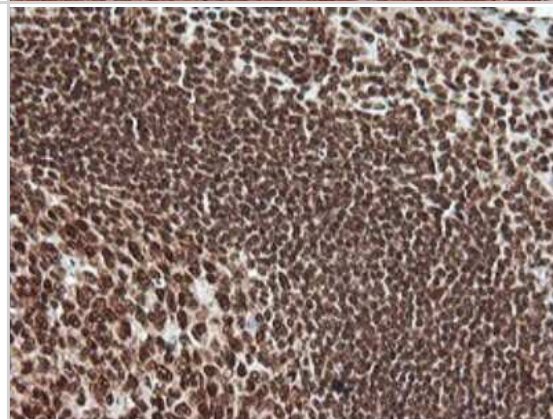
Immunohistochemistry: ERK4/MAPK4 Antibody (OTI2D7) [NBP2-45743]  
 - Analysis of Human pancreas tissue. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120C for 3min)



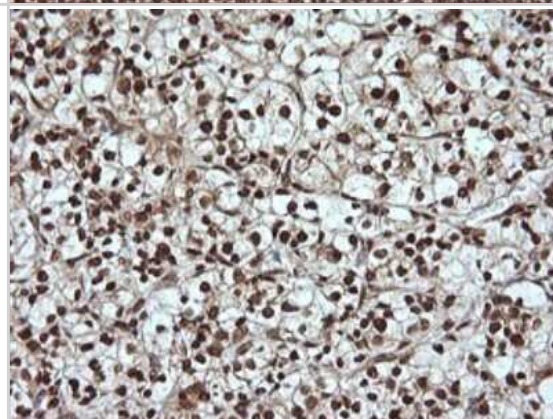
Immunohistochemistry: ERK4/MAPK4 Antibody (OTI2D7) [NBP2-45743]  
- Analysis of Adenocarcinoma of Human ovary tissue. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120C for 3min)



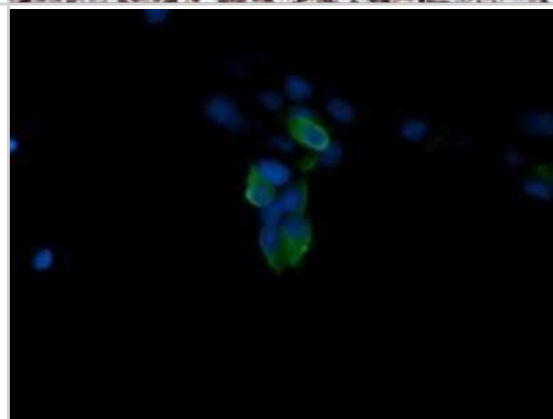
Immunohistochemistry: ERK4/MAPK4 Antibody (OTI2D7) [NBP2-45743]  
- Analysis of Human tonsil tissue. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120C for 3min)



Immunohistochemistry: ERK4/MAPK4 Antibody (OTI2D7) [NBP2-45743]  
- Analysis of Carcinoma of Human kidney tissue. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120C for 3min)



Immunofluorescence: ERK4/MAPK4 Antibody (OTI2D7) [NBP2-45743] -  
Analysis of COS7 cells transiently transfected by pCMV6-ENTRY ERK4/MAPK4.





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### **Products Related to NBP2-45743**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
H00005596-Q01-10ug	Recombinant Human ERK4/MAPK4 GST (N-Term) Protein

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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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