

# Product Datasheet

## Ephrin-A3 Antibody (OTI4A4)

### NBP2-46484

Unit Size: 0.1 ml

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

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**NBP2-46484**

Ephrin-A3 Antibody (OTI4A4)

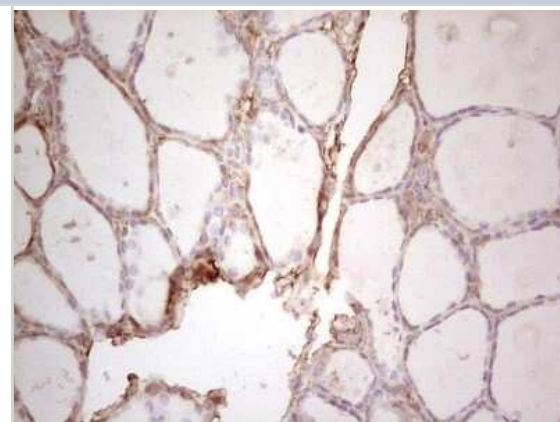
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI4A4
Preservative	0.02% Sodium Azide
Isotype	IgG2b
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	26.2 kDa

Product Description	
Description	Novus Biologicals Mouse Ephrin-A3 Antibody (OTI4A4) (NBP2-46484) is a monoclonal antibody validated for use in IHC and WB. Anti-Ephrin-A3 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	1944
Gene Symbol	EFNA3
Species	Human, Mouse, Rat
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	Human recombinant protein fragment corresponding to amino acids 23-214 of human EFNA3(NP_004943) produced in E.coli.

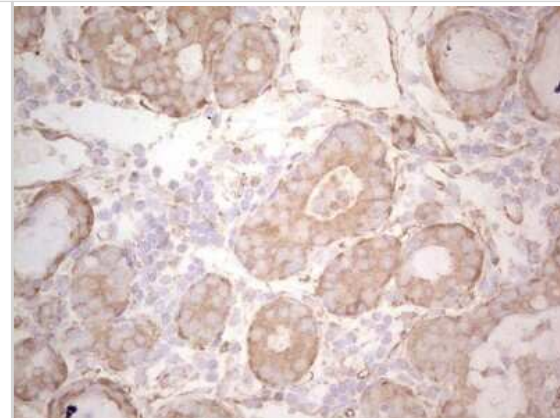
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:150, Immunohistochemistry-Paraffin

**Images**

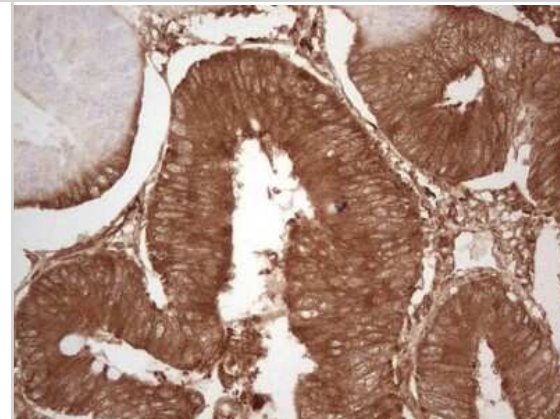
Immunohistochemistry: Ephrin-A3 Antibody (4A4) [NBP2-46484] - Analysis of Human thyroid tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



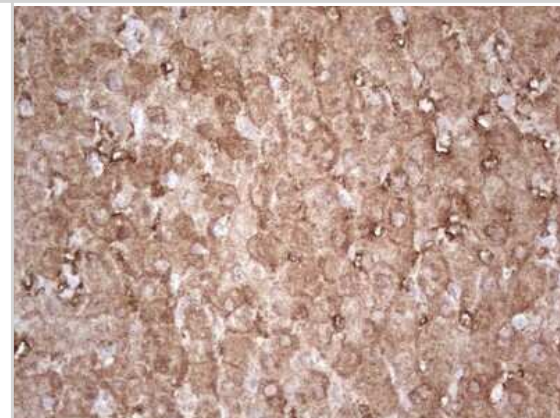
Immunohistochemistry: Ephrin-A3 Antibody (4A4) [NBP2-46484] - Analysis of Adenocarcinoma of Human breast tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



Immunohistochemistry: Ephrin-A3 Antibody (4A4) [NBP2-46484] - Analysis of Adenocarcinoma of Human colon tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



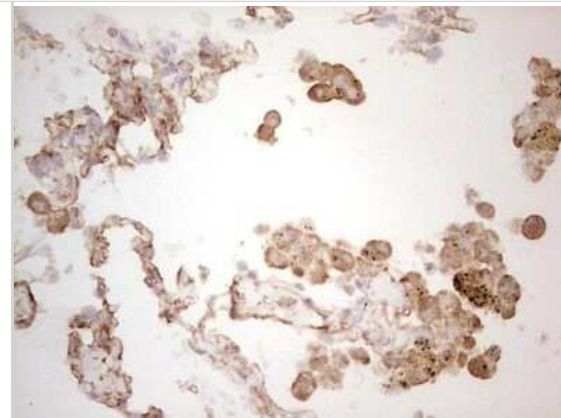
Immunohistochemistry: Ephrin-A3 Antibody (4A4) [NBP2-46484] - Analysis of Human liver tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



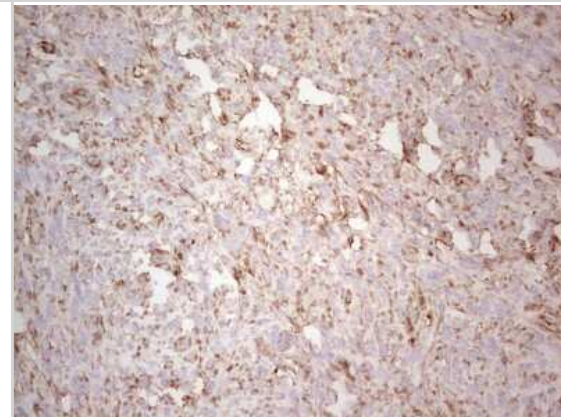
Immunohistochemistry: Ephrin-A3 Antibody (4A4) [NBP2-46484] - Analysis of Carcinoma of Human liver tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



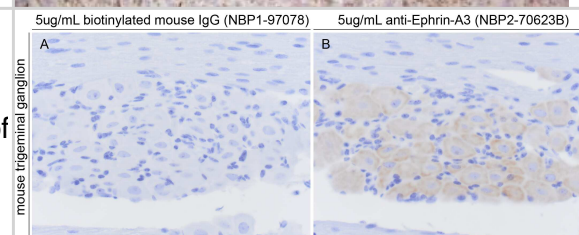
Immunohistochemistry: Ephrin-A3 Antibody (4A4) [NBP2-46484] - Analysis of Human lung tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



Immunohistochemistry: Ephrin-A3 Antibody (4A4) [NBP2-46484] - Analysis of Human endometrium tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



Immunohistochemistry-Paraffin: Ephrin-A3 Antibody (OTI4A4) [NBP2-46484] - Ephrin-A3 immunoreactivity in mouse trigeminal ganglion neurons. Sections were incubated with the antibody overnight at 4 degrees. Biotinylated mouse IgG was used to help verify the specificity of the antibody (NBP1-97078). Biotin conjugated version of antibody used (NBP2-70623B). Image from verified customer review.



## Publications

Walker CD Adolescence, Alcohol, and Astrocytes: The Impact of Adolescent Alcohol Use on Astrocyte-Synaptic Interactions, Structure, Function, and Behavior Thesis 2023-01-01 (Immunohistochemistry, Rat)

Zhang R, Tao X, Sun R et al. Cognitive?exercise dual?task promotes cognitive function recovery in chronic cerebral ischemia male rats through regulating PI3K/Akt signaling pathway via inhibition of EphrinA3/EphA4 Journal of Neuroscience Research 2024-01-01 [PMID: 38284844] (WB)





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### **Products Related to NBP2-46484**

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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)
NBP2-77495-50ug	Recombinant Human Ephrin-A3 hIgG-His 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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