

# Product Datasheet

## Otoferlin Antibody NBP1-46574

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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Updated 9/9/2025 v.20.1

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**NBP1-46574**

## Otoferlin Antibody

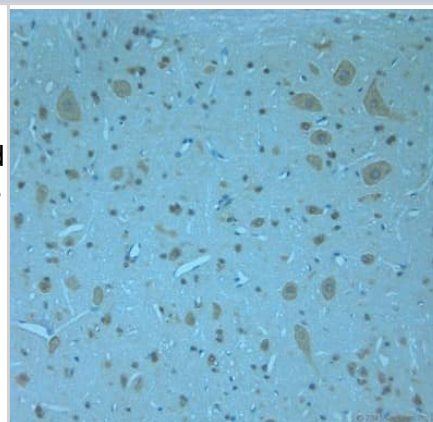
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Reconstitute in 0.1 ml of sterile water. Centrifuge to remove any insoluble material. Glycerol may be added (1:1) for additional stability. Please note the sample size is provided in reconstituted format.
<b>Isotype</b>	IgG
<b>Purity</b>	Unpurified
<b>Buffer</b>	Lyophilized from whole antisera

Product Description	
<b>Description</b>	Novus Biologicals Rabbit Otoferlin Antibody (NBP1-46574) is a polyclonal antibody validated for use in IHC and WB. Anti-Otoferlin Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	9381
<b>Gene Symbol</b>	OTOF
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	A synthetic peptide from amino acid region 350-400 of human Otoferlin conjugated to blue carrier protein was used as the antigen. The peptide is homologous in rat and mouse.

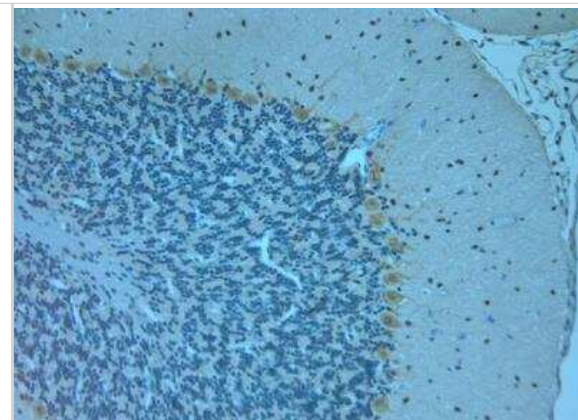
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:300-1:2000, Immunohistochemistry 1:300-1:2000, Immunohistochemistry-Paraffin 1:300-1:2000
<b>Application Notes</b>	The optimal dilution should be determined by the end user. Although not tested this antibody may be useful in Immunohistochemistry-Paraffin/Frozen

**Images**

Immunohistochemistry-Paraffin: Otoferlin Antibody [NBP1-46574] - IHC-P on paraffin sections of rat spinal cord. The animal was perfused using Autoperfuser at a pressure of 110 mmHg with 300 ml 4% FA and further post fixed overnight before being processed for paraffin embedding. HIER: Tris-EDTA, pH 9 for 20 min. Blocking: 0.2% LFDM in TBST filtered thru 0.2 um. Detection was done using HRP polymer from manufacturers instructions. Primary antibody: dilution 1: 1000, incubated 30 min at RT (using Autostainer). Sections were counterstained with Harris Hematoxylin.



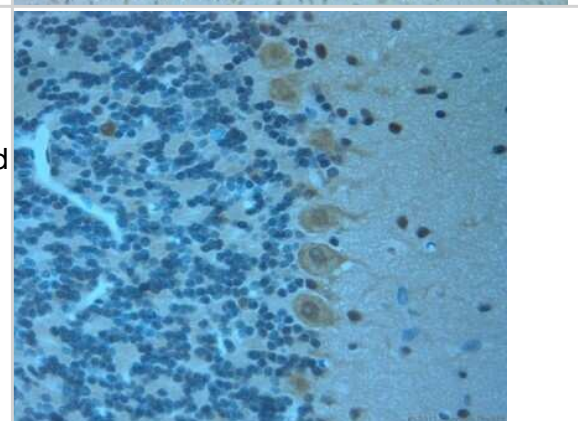
Immunohistochemistry-Paraffin: Otoferlin Antibody [NBP1-46574] - Rat cerebellum. Dilution 1: 1000.



Immunohistochemistry-Paraffin: Otoferlin Antibody [NBP1-46574] - Rat spinal cord, dilution 1: 1000.



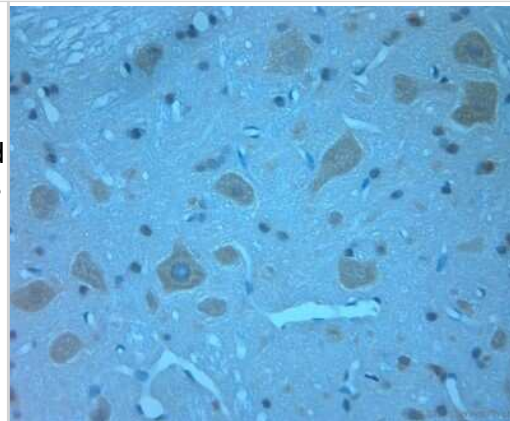
Immunohistochemistry-Paraffin: Otoferlin Antibody [NBP1-46574] - IHC-P on paraffin sections of rat cerebellum. The animal was perfused using Autoperfuser at a pressure of 110 mmHg with 300 ml 4% FA and further post fixed overnight before being processed for paraffin embedding. HIER: Tris-EDTA, pH 9 for 20 min. Blocking: 0.2% LFDM in TBST filtered thru 0.2 um. Detection was done using HRP polymer following manufacturers instructions. Primary antibody: dilution 1: 1000, incubated 30 min at RT (using Autostainer). Sections were counterstained with Harris Hematoxylin.



Immunohistochemistry-Paraffin: Otoferlin Antibody [NBP1-46574] - IHC-P on paraffin sections of rat spinal cord. The animal was perfused using Autoperfuser at a pressure of 110 mmHg with 300 ml 4% FA and further post fixed overnight before being processed for paraffin embedding. HIER: Tris-EDTA, pH 9 for 20 min. Blocking: 0.2% LFDM in TBST filtered thru 0.2 um. Detection was done using HRP polymer following manufacturers instructions. Primary antibody: dilution 1: 1000, incubated 30 min at RT (using Autostainer). Sections were counterstained with Harris Hematoxylin.



Immunohistochemistry-Paraffin: Otoferlin Antibody [NBP1-46574] - IHC-P on paraffin sections of rat spinal cord. The animal was perfused using Autoperfuser at a pressure of 110 mmHg with 300 ml 4% FA and further post fixed overnight before being processed for paraffin embedding. HIER: Tris-EDTA, pH 9 for 20 min. Blocking: 0.2% LFDM in TBST filtered thru 0.2 um. Detection was done using HRP polymer from manufacturers instructions. Primary antibody: dilution 1: 1000, incubated 30 min at RT (using Autostainer). Sections were counterstained with Harris Hematoxylin.



## Publications

van der Valk WH, van Beelen ESA, Steinhart MR et al. A single-cell level comparison of human inner ear organoids with the human cochlea and vestibular organs Cell reports 2023-06-06 [PMID: 37289589]



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### **Products Related to NBP1-46574**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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