

# Product Datasheet

## TBC1D24 Antibody - BSA Free

### NBP1-82925

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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#### Publications: 4

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**NBP1-82925**

TBC1D24 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<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>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

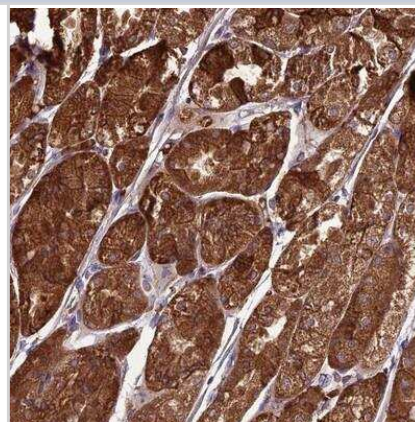
<b>Description</b>	Novus Biologicals Rabbit TBC1D24 Antibody - BSA Free (NBP1-82925) is a polyclonal antibody validated for use in IHC and WB. Anti-TBC1D24 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	57465
<b>Gene Symbol</b>	TBC1D24
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 30602030).
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: RGKVYQRLIRDIPCRTVTPDASVYSDIVGKIVGKHSSSCLPLPEFVDNTQVPSYC LNARGECAVRKILLCLANQFPD

**Product Application Details**

<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot Reported in scientific literature (PMID: 30602030), Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

Immunohistochemistry-Paraffin: TBC1D24 Antibody [NBP1-82925] - Staining of human stomach, upper shows strong cytoplasmic positivity in glandular cells.



## Publications

Tona R, Lopez IA, Fenollar-Ferrer C et al. Mouse Models of Human Pathogenic Variants of TBC1D24 Associated with Non-Syndromic Deafness DFNB86 and DFNA65 and Syndromes Involving Deafness Genes (Basel) 2020-09-24 [PMID: 32987832] (Immunohistochemistry, Western Blot, Mouse)

Pepe S, Aprile D, Castroflorio E, Marte A et Al. TBC1D24 interacts with the v-ATPase and regulates intraorganellar pH in neurons iScience 2025-01-06 [PMID: 39758816]

Defourny J. TBC1D24 is likely to regulate vesicle trafficking in glia-like non-sensory epithelial cells of the cochlea. The International journal of developmental biology 2024-07-17 [PMID: 38869222]

Tona R, Chen W, Nakano Y et al. The phenotypic landscape of a Tbc1d24 mutant mouse includes convulsive seizures resembling human early infantile epileptic encephalopathy. Hum. Mol. Genet. 2019-01-02 [PMID: 30602030] (IF/IHC, WB, Mouse)





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### **Products Related to NBP1-82925**

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NBP1-82925PEP	TBC1D24 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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