

# Product Datasheet

## TRAP alpha Antibody - BSA Free NBP1-86912

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: 5

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**NBP1-86912**

TRAP alpha 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>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

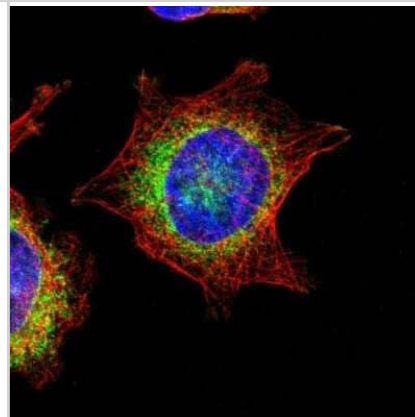
Product Description	
<b>Description</b>	Novus Biologicals Rabbit TRAP alpha Antibody - BSA Free (NBP1-86912) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-TRAP alpha Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	6745
<b>Gene Symbol</b>	SSR1
<b>Species</b>	Human, Mouse, Rat, C. elegans
<b>Reactivity Notes</b>	C. elegans reactivity reported in scientific literature (PMID: 31840061).
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: ESRKRKRPIQKVEMGTSSQNDVDMSPWIPQETLNQINKASPRRLPRKRAQKRSV GSDE

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500-1:1000
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

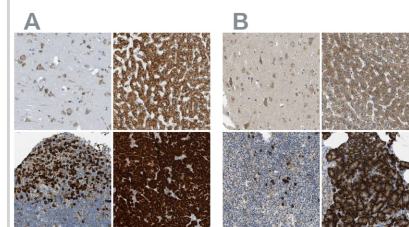


## Images

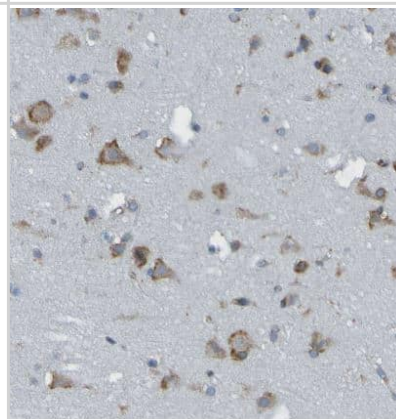
Immunocytochemistry/Immunofluorescence: TRAP alpha Antibody [NBP1-86912] - Staining of human cell line U-251 MG shows localization to endoplasmic reticulum. Antibody staining is shown in green.



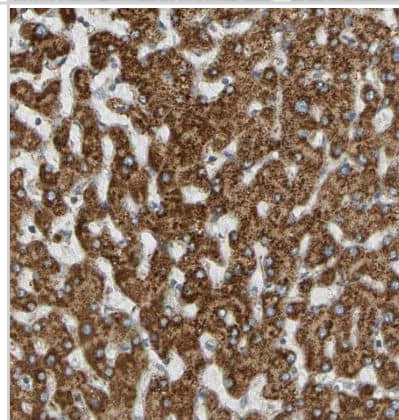
Staining of human cerebral cortex, liver).



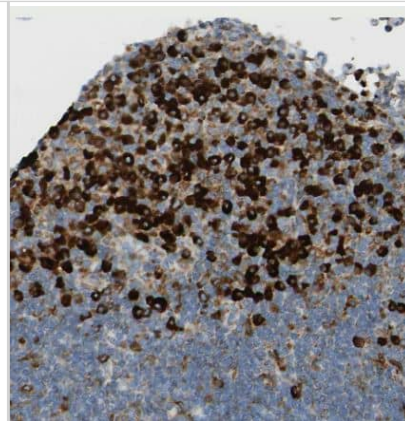
Immunohistochemistry-Paraffin: TRAP alpha Antibody [NBP1-86912] - Staining of human cerebral cortex shows moderate granular cytoplasmic positivity in neurons.



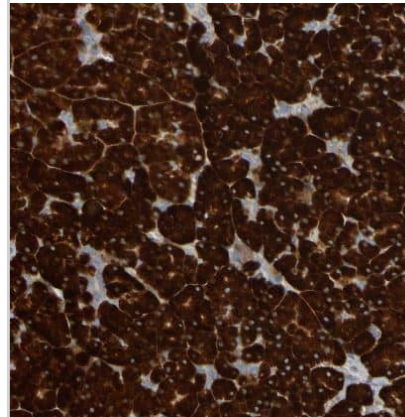
Immunohistochemistry-Paraffin: TRAP alpha Antibody [NBP1-86912] - Staining of human liver shows moderate granular cytoplasmic positivity in hepatocytes.



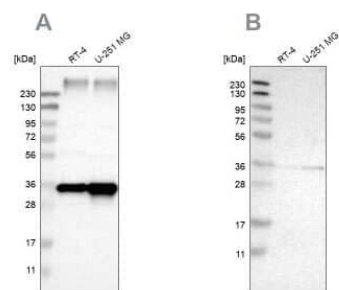
Immunohistochemistry-Paraffin: TRAP alpha Antibody [NBP1-86912] - Staining of human lymph node shows strong cytoplasmic positivity in non-germinal center cells.



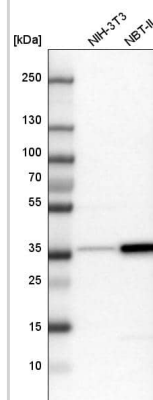
Immunohistochemistry-Paraffin: TRAP alpha Antibody [NBP1-86912] - Staining of human pancreas shows strong cytoplasmic positivity in exocrine glandular cells.



Western Blot: TRAP alpha Antibody [NBP1-86912] - Analysis using Anti-SSR1 antibody NBP1-86912 (A) shows similar pattern to independent antibody NBP1-87815 (B).



Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



## Publications

Li X, Hu J, Huang Y et al. Trap  $\alpha$  deficiency impairs the early events of insulin biosynthesis and glucose homeostasis The Journal of Clinical Investigation 2025-05-20 [PMID: 40392602]

Tarab-Ravski D, Hazan-Halevy I, Goldsmith M et al. Delivery of Therapeutic RNA to the Bone Marrow in Multiple Myeloma Using CD38-Targeted Lipid Nanoparticles Advanced science (Weinheim, Baden-Wurtemberg, Germany) 2023-05-12 [PMID: 37171801] (Immunohistochemistry, Mouse)

Li S, Lin Q, Shao X, et al. Requirement for translocon-associated protein (TRAP) alpha in insulin biogenesis Sci Adv 2019-12-01 [PMID: 31840061] (ICC/IF, C. elegans)

Taylor MS, Ruch TR, Hsiao PY et al. Architectural Organization of the Metabolic Regulatory Enzyme Ghrelin O-Acyltransferase. J Biol Chem 2013-11-08 [PMID: 24045953] (ICC/IF, Human)

Stadler C, Rexhepaj E, Singan VR et al. Immunofluorescence and fluorescent-protein tagging show high correlation for protein localization in mammalian cells. Nat Methods 2013-04-01 [PMID: 23435261]





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### **Products Related to NBP1-86912**

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NBP1-86912PEP	TRAP alpha Recombinant Protein Antigen
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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