

# Product Datasheet

## COX5A Antibody - BSA Free

### NBP1-32550

Unit Size: 100 ul

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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#### Publications: 3

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Updated 2/21/2025 v.20.1

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**NBP1-32550**

COX5A Antibody - BSA Free

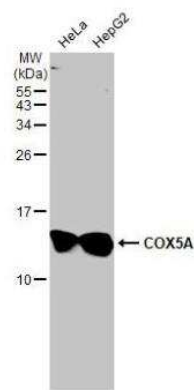
Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Thimerosal
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	0.1M Tris (pH 7), 0.1M Glycine, 10% Glycerol
Target Molecular Weight	17 kDa

Product Description	
Host	Rabbit
Gene ID	9377
Gene Symbol	COX5A
Species	Human, Mouse, Zebrafish
Reactivity Notes	Xenopus laevis (86%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human COX5A. The exact sequence is proprietary.

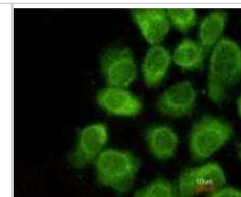
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000-1:10000, Simple Western 1:10, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

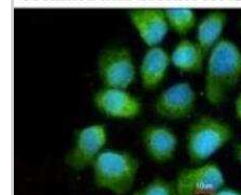
Western Blot: COX5A Antibody [NBP1-32550] - Various whole cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with COX5A antibody [N1C3] diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



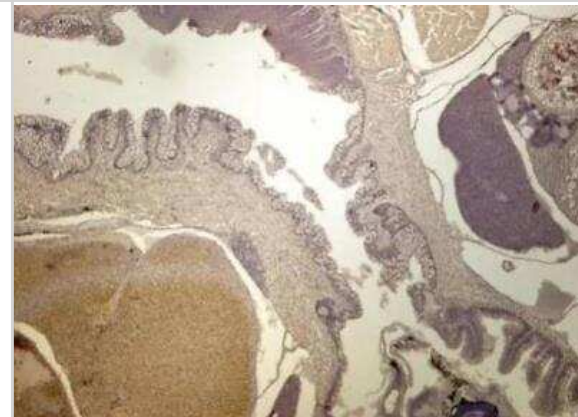
Immunocytochemistry/Immunofluorescence: COX5A Antibody [NBP1-32550] - A431.



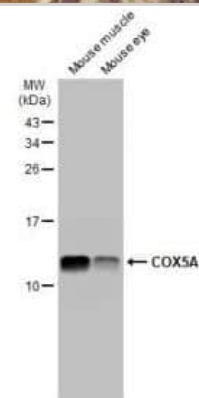
Costained with Hoechst 33342



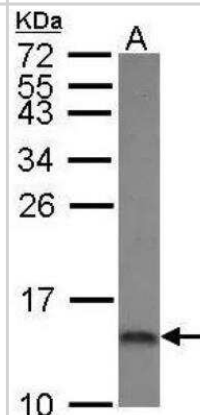
Immunohistochemistry-Paraffin: COX5A Antibody [NBP1-32550] - Analysis of paraffin-embedded zebrafish tissue, using COX5A antibody [N1C3] at 1:300 dilution.



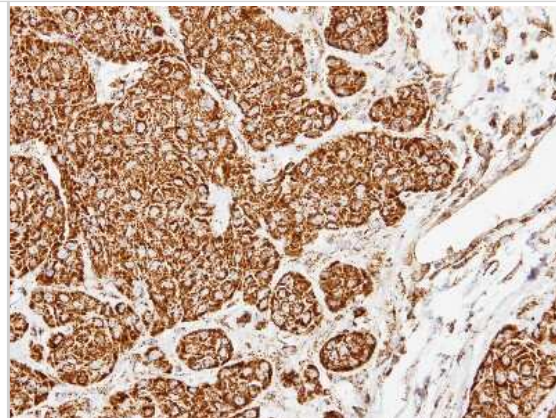
Western Blot: COX5A Antibody [NBP1-32550] - Various tissue extracts (50 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with COX5A antibody [N1C3] diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



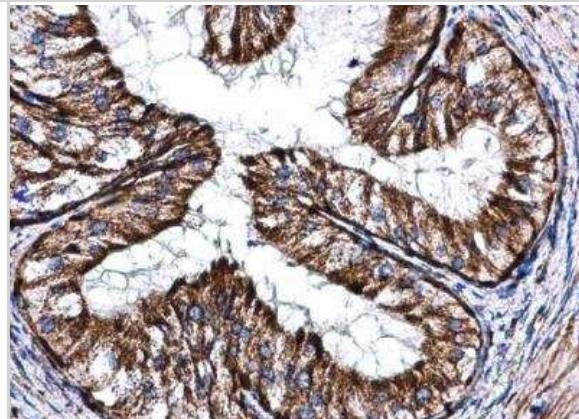
Western Blot: COX5A Antibody [NBP1-32550] - Sample (30 ug of whole cell lysate) A: zebrafish eye 15% SDS PAGE diluted at 1:1000



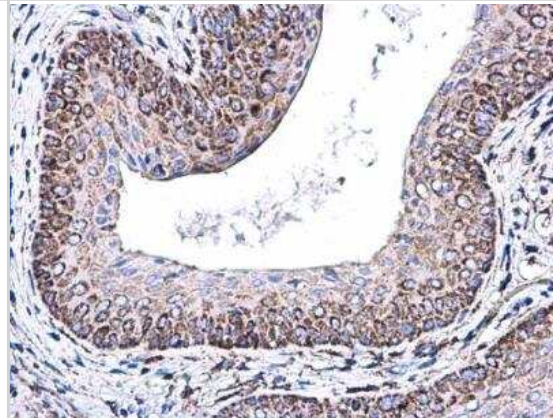
Immunohistochemistry-Paraffin: COX5A Antibody [NBP1-32550] - Cal27 xenograft, using COX5A antibody at 1:500 dilution. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Immunohistochemistry-Paraffin: COX5A Antibody [NBP1-32550] - Mouse prostate. COX5A antibody [N1C3] diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Immunohistochemistry-Paraffin: COX5A Antibody [NBP1-32550] - Mouse cervix. COX5A antibody [N1C3] diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



## Publications

Li J, Jaiswal MK, Chien JF et al. Divergent single cell transcriptome and epigenome alterations in ALS and FTD patients with C9orf72 mutation Nat Commun 2023-09-15 [PMID: 37714849] (Simple Western)

Katoh M, Wu B, Nguyen HB et al. Polymorphic regulation of mitochondrial fission and fusion modifies phenotypes of microglia in neuroinflammation Sci Rep 2017-07-10 [PMID: 28694451] (ICC/IF, Mouse)

Kozjak-Pavlovic V, Prell F, Thiede B et al. C1orf163/RESA1 Is a Novel Mitochondrial Intermembrane Space Protein Connected to Respiratory Chain Assembly. J Mol Biol 2013-12-09 [PMID: 24333015] (WB, Human)



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### **Products Related to NBP1-32550**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-22981	Recombinant Human COX5A 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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