

# Product Datasheet

## COX4 Antibody (854) - Azide and BSA Free NBP2-43540

Unit Size: 0.1 ml

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

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**NBP2-43540**

COX4 Antibody (854) - Azide and 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>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	854
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	20 kDa
Product Description	
<b>Description</b>	Novus Biologicals Mouse COX4 Antibody (854) - Azide and BSA Free (NBP2-43540) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and Simple Western. Anti-COX4 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	1327
<b>Gene Symbol</b>	COX4I1
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Bovine (81%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human COX4. The exact sequence is proprietary.
Product Application Details	
<b>Applications</b>	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Simple Western 6 ug/ml, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000
<b>Application Notes</b>	See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in Titrated to saturation using various models, separated by Size, antibody dilution of 6 ug/mL

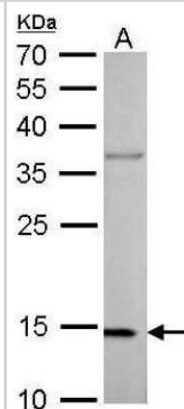


## Images

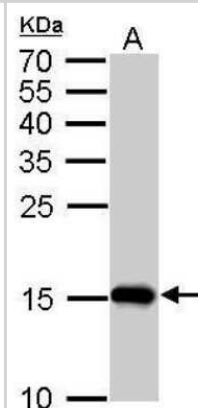
Western Blot: COX4 Antibody (854) [NBP2-43540] - Various tissue extracts (50 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with COX4 antibody (854) diluted at 1:1000. HRP-conjugated anti-mouse IgG antibody was used to detect the primary antibody.



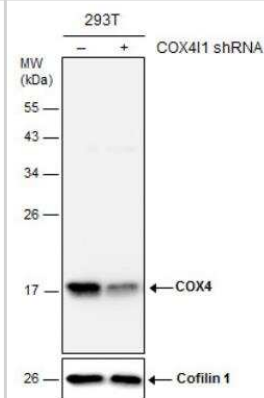
Western Blot: COX4 Antibody (854) [NBP2-43540] - Analysis of A. 50 ug mouse heart lysate/extract 12 % SDS-PAGE COX4 antibody dilution: 1:1000



Western Blot: COX4 Antibody (854) [NBP2-43540] - Analysis of A. 50 ug rat muscle lysate/extract 15 % SDS-PAGE COX4 antibody [854] dilution: 1:1000.



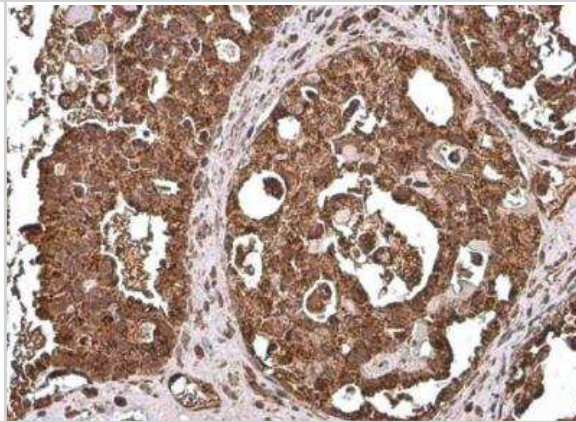
Western Blot: COX4 Antibody (854) [NBP2-43540] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with COX4 antibody [854]. HRP-conjugated anti-mouse IgG antibody was used to detect the primary antibody.



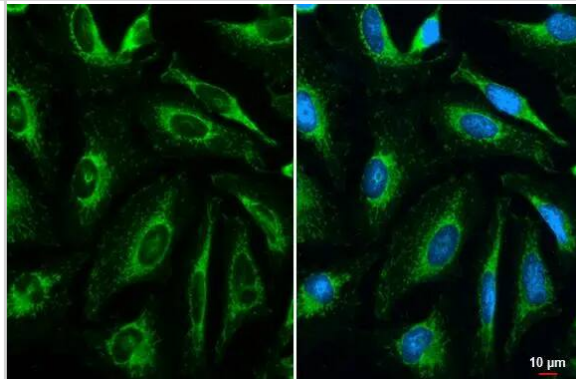
Western Blot: COX4 Antibody (854) [NBP2-43540] - Various whole cell extracts (30 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with COX4 antibody (854) diluted at 1:1000. HRP-conjugated anti-mouse IgG antibody was used to detect the primary antibody.



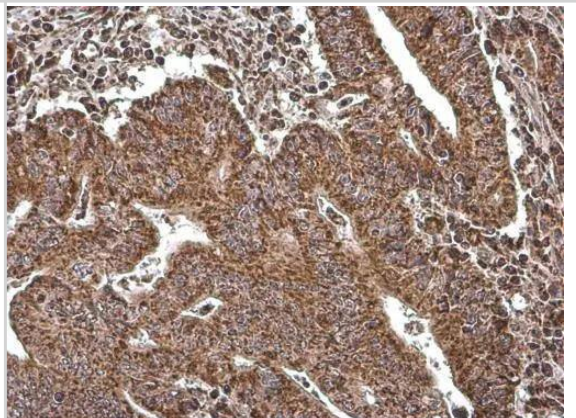
Immunohistochemistry-Paraffin: COX4 Antibody (854) [NBP2-43540] - Human ovarian cancer. COX4 stained by COX4 antibody [854] diluted at 1:200. Antigen Retrieval: Tris-EDTA buffer, pH 9.0, 15 min.



Immunocytochemistry/ Immunofluorescence: COX4 Antibody (854) [NBP2-43540] - COX4 antibody detects COX4 protein at mitochondria by immunofluorescent analysis. Sample: HeLa cells were fixed in ice-cold MeOH for 5 min. Green: COX4 stained by COX4 antibody (NBP2-43540) diluted at 1:1000.



COX4 antibody [GT854] detects COX4 protein at mitochondria by immunohistochemical analysis. Sample: Paraffin-embedded human colon cancer. COX4 stained by COX4 antibody [GT854] (NBP2-43540) diluted at 1:200. Antigen Retrieval: Tris-EDTA buffer, pH 9.0, 15 min



## Publications

Howell Mc, Green R, Khalil R et Al. Lung cancer cells survive epidermal growth factor receptor tyrosine kinase inhibitor exposure through upregulation of cholesterol synthesis FASEB Bioadv 2020-02-01 [PMID: 32123859] (WB, Mouse, Human)



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### **Products Related to NBP2-43540**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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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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