Product Datasheet

COX4 Antibody (6B3) - BSA Free
NBP1-51650

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: 2

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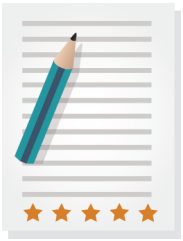
Updated 10/23/2024 v.20.1



NBP1-51650

COX4 Antibody (6B3) - BSA Free

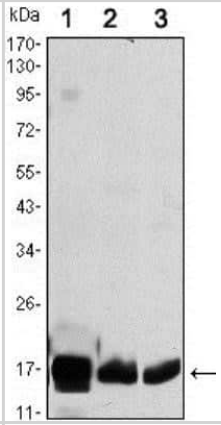
Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	6B3
Preservative	0.03% Sodium Azide
Isotype	IgG1
Purity	Unpurified
Buffer	Ascites
Target Molecular Weight	19 kDa

Product Description	
Host	Mouse
Gene ID	1327
Gene Symbol	COX4I1
Species	Human, Mouse, Rat, Monkey
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Marker	Mitochondria Marker
Immunogen	Purified recombinant fragment of human COX4 expressed in E. Coli.

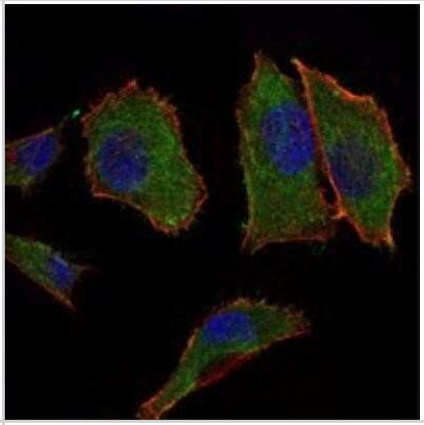
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:500 - 1:2000, Flow Cytometry 1:200 - 1:400, ELISA 1:10000, Immunocytochemistry/ Immunofluorescence 1:200 - 1:1000

Images

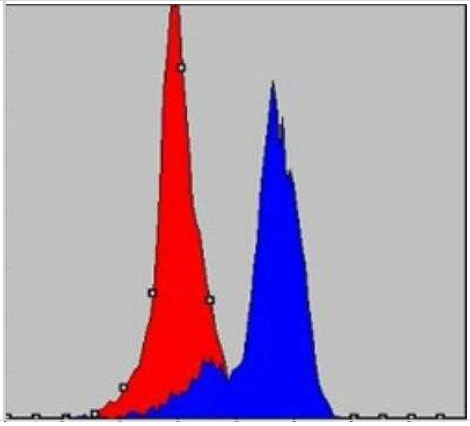
Western Blot: COX4 Antibody (6B3) [NBP1-51650] - Analysis using COX4I1 mouse mAb against HEK293 (1), A549 (2) and PC12 (3) cell lysate.



Immunocytochemistry/Immunofluorescence: COX4 Antibody (6B3) [NBP1-51650] - Analysis of PANC-1 cells using COX4I1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow Cytometry: COX4 Antibody (6B3) [NBP1-51650] - Analysis of K562 cells using COX4I1 mouse mAb (blue) and negative control (red).



Publications

Soltys DT, Pereira CPM, Rowies FT et al. Lower mitochondrial DNA content but not increased mutagenesis associates with decreased base excision repair activity in brains of AD subjects. Neurobiol. Aging. 2018-09-22 [PMID: 30359878] (WB, Human)

Akimoto T, Okuhira K, Aizawa K et al. Skeletal muscle adaptation in response to mechanical stress in p130cas-/- mice. Am J Physiol Cell Physiol 2013-03-01 [PMID: 23325412] (WB, Mouse)

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Products Related to NBP1-51650

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB110-39115PEP	COX4 Antibody Blocking Peptide

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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