ARG30276
Cytochrome-C fractionation Antibody Panel (Cytochrome-C, COX IV, beta Actin)

Package: 1 kit
Store at: -20°C

Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG62461	anti-Cytochrome C antibody [6H2.B4]	Mouse mAb	Hu, Ms, Rat	FACS, ICC/IF, IP, WB	50 µl
ARG54003	anti-COX4 antibody	Mouse mAb	Goat, Hm, Hu, Mk, Ms, Rat	FACS, ICC/IF, IHC-P, IP, WB	50 µl
ARG53987	anti-beta Actin antibody	Mouse mAb	Arabi, Chk, C. reinhardtii, Cucumber, Dm, Fsh, Goat, Hm, Hu, Mk, Ms, P. pastoris, Pig, Rb, Rat, Rice, S. cerevisiae, Yeast, Zfsh	WB	50 µl
ARG65350	Goat anti-Mouse IgG antibody (HRP)	Goat pAb	Ms	ELISA, IHC-P, WB	50 µl

Summary

Product Description	Apoptosis is a process of programmed cell death that occurs in multicellular organism. Intracellular or extracellular death signals kick-start apoptosis signaling by releasing Cytochrome-C from mitochondria through BAX. The released Cytochrome-C binds to APAF-1 and cleave caspase 9. Finally, caspase-3 and PARP will be cleaved and the cells officially go into apoptosis and die. The cellular localization of Cytochrome-C often informs us of the trigger of apoptosis pathway. Hence, Cytochrome-C antibody together with COX IV (mitochondria marker) and beta Actin (cytoplasm marker) antibodies form a great package for the study of Cytochrome-C localization through cell fractionation. Nur-E-Lamal et al. 2004. JBC 279:24911-24914
Target Name	Cytochrome-C fractionation
Alternate Names	Cytochrome-C fractionation antibody; beta Actin antibody; COX4 antibody; Cytochrome C antibody

Properties

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

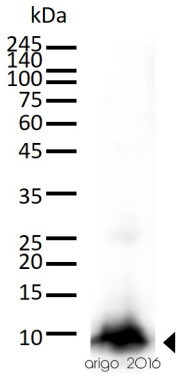
Bioinformation

Gene Full Name	Antibody Panel for Cytochrome-C fractionation (Cytochrome-C, COX IV, beta Actin)

Highlight

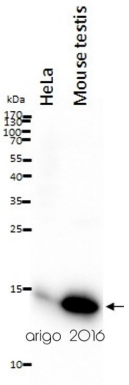
Related Product:
anti-Cytochrome C antibody;

Images



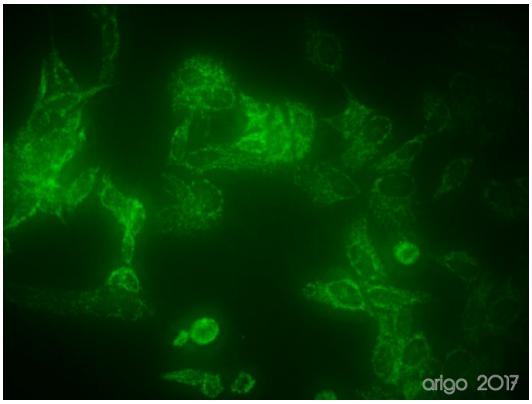
ARG62461 anti-Cytochrome C antibody [6H2.B4] WB image

Western blot: 30 µg of Mouse kidney lysate stained with ARG62461 anti-Cytochrome C antibody [6H2.B4] at 1:500 dilution.



ARG62461 anti-Cytochrome C antibody [6H2.B4] WB image

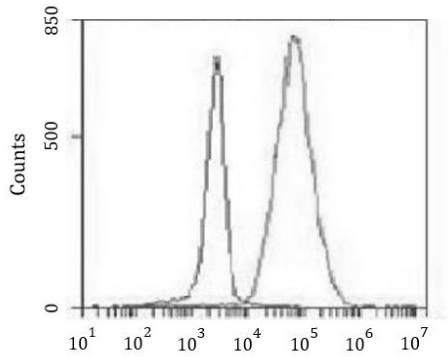
Western blot: 20 µg of HeLa and Mouse testis lysates stained with ARG62461 anti-Cytochrome C antibody [6H2.B4] at 1:500 dilution.



ARG54003 anti-COX4 antibody ICC/IF image

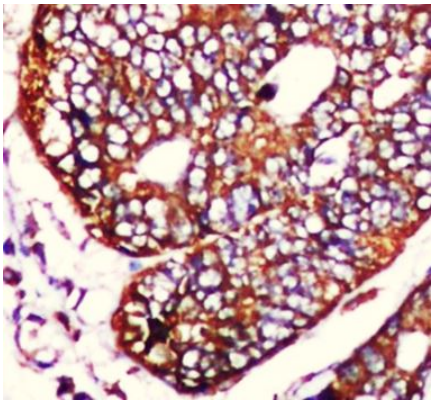
Immunofluorescence: 100% Methanol fixed (RT, 10 min) HeLa cells stained with ARG54003 anti-COX4 antibody (green) at 1:150 dilution.

Secondary antibody: ARG55393 Goat anti-Mouse IgG (H+L) antibody (FITC)



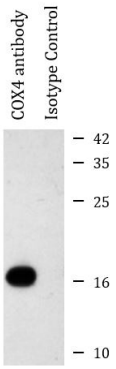
ARG54003 anti-COX4 antibody FACS image

Flow Cytometry: K562 cells stained with ARG54003 anti-COX4 antibody at 1:100 dilution (right histogram) or isotype control (left histogram), followed by incubation with FITC labelled secondary antibody.



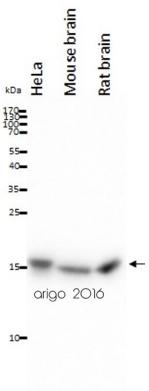
ARG54003 anti-COX4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colorectal carcinoma stained with ARG54003 anti-COX4 antibody at 1:50 dilution. Antigen Retrieval: High-pressure and temperature Citrate buffer (pH 6.0).



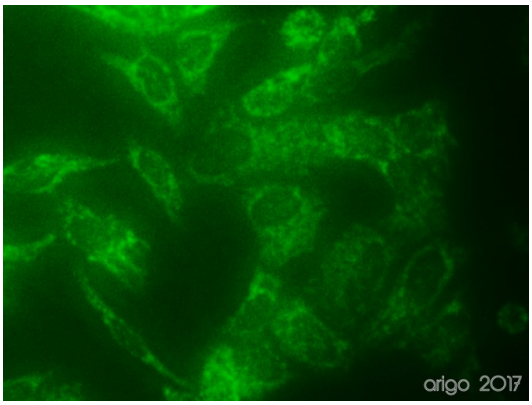
ARG54003 anti-COX4 antibody IP image

Immunoprecipitation: HeLa cell lysates were immunoprecipitated and stained with ARG54003 anti-COX4 antibody.



ARG54003 anti-COX4 antibody WB image

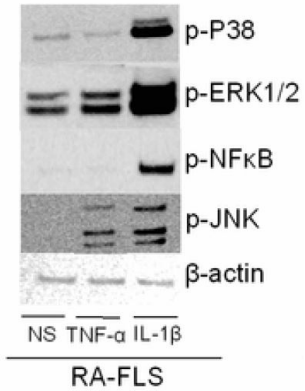
Western blot: 20 µg of HeLa, Mouse brain and Rat brain lysates stained with ARG54003 anti-COX4 antibody at 1:1000 dilution.



ARG54003 anti-COX4 antibody ICC/IF image

Immunofluorescence: 100% Methanol fixed (RT, 10 min) HeLa cells stained with ARG54003 anti-COX4 antibody (green) at 1:150 dilution.

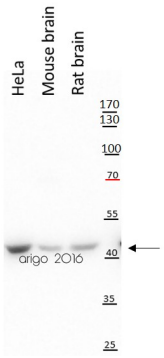
Secondary antibody: ARG55393 Goat anti-Mouse IgG (H+L) antibody (FITC)



ARG53987 anti-beta Actin antibody WB image

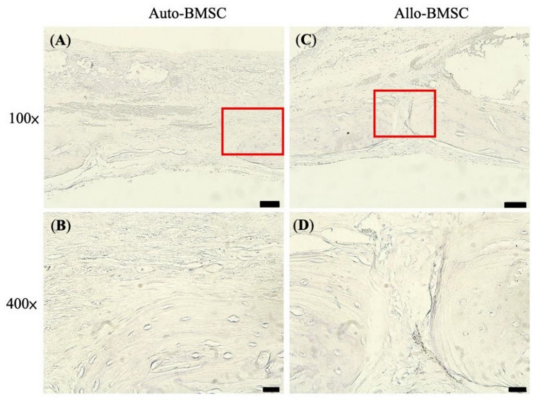
Western blot: RA-FLSs stained with ARG53987 anti-beta Actin antibody.

From Machado CRL et al. Preprint- (2023), doi: 10.1186/s42358-022-00281-0, Fig. 5. E.



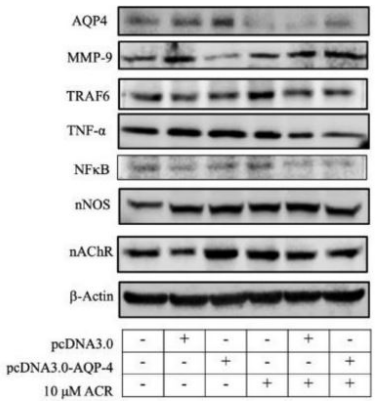
ARG53987 anti-beta Actin antibody WB image

Western blot: 20 µg of HeLa, Mouse brain and Rat brain lysates stained with ARG53987 anti-beta Actin antibody at 1:10000 dilution.



ARG65350 Goat anti-Mouse IgG antibody (HRP) IHC-P image

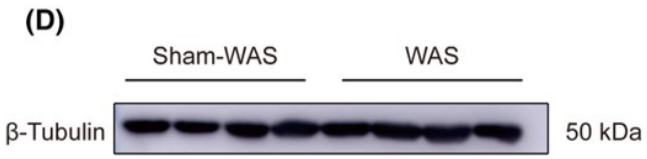
From Cheng-Feng Chu et al. J Pers Med. (2021), doi: 10.3390/jpm11121326, Fig. 6.



ARG65350 Goat anti-Mouse IgG antibody (HRP) WB image

Western blot: Neuro-2a stained with ARG22361 anti-Aquaporin 4 antibody , ARG40638 anti-MMP9 antibody and ARG65350 Goat anti-Mouse IgG antibody (HRP).

From Hung CY et al. Molecules (2022), doi: 10.3390/molecules27031066, Fig. 6A.



ARG65350 Goat anti-Mouse IgG antibody (HRP) WB image

Western blot: Rat basolateral amygdala stained with ARG62347 anti-beta Tubulin antibody [BT7R] at 1:1000 dilution, ARG65350 Goat anti-Mouse IgG antibody (HRP) at 1:5000 dilution.

From Guang-Bing Duan et al. CNS Neurosci Ther. (2024), doi: 10.1111/cns.14611, Fig. 4.D.