

ARG30337 Ferroptosis / Oxytosis Antibody Panel

Package: 1 kit
Store at: -20°C

Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG57998	anti-SLC7A11 / xCT antibody	Rabbit pAb	Hu, Ms, Rat	IP, WB	20 µl
ARG41400	anti-GPX4 antibody	Rabbit pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB	20 µl
ARG23717	anti-4 Hydroxynonenal antibody [12F7]	Mouse mAb	Other	ELISA, ICC/IF, IHC-P, WB	20 µg

Summary

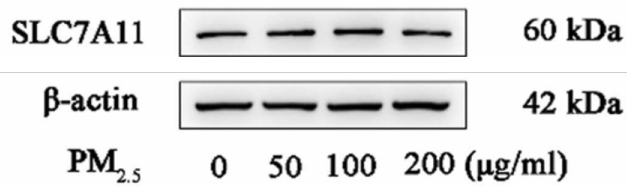
Product Description	<p>Ferroptosis/Oxytosis Antibody Panel is an all-in-one solution to make research of ferroptosis and oxytosis easy and economic. This antibody panel comprises molecular markers of ferroptosis/oxytosis GPX4 and xCT antibodies and lipid peroxidation marker 4-HNE antibody. This antibody panel is the best solution to study ferroptosis and oxytosis in human, mouse, and rat samples.</p> <p>Related news: Ferroptosis/Oxytosis Antibody Panel is launched Therapeutic strategies against PDAC</p>
Target Name	Ferroptosis / Oxytosis
Alternate Names	Ferroptosis / Oxytosis antibody; 4 Hydroxynonenal antibody; 4-HNE antibody; GPX4 antibody; SLC7A11 / xCT 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 Ferroptosis / Oxytosis
Highlight	<p>Related news: Examining RSL3-induced activation of Keap1-Nrf2-ARE pathway;</p> <p>Related products: SLC7A11 antibodies; GPX4 antibodies; GPX4 Duos / Panels; Anti-Rabbit IgG secondary antibodies; Hydroxynonenal antibodies; Hydroxynonenal ELISA Kits; Hydroxynonenal Duos / Panels; Anti-Mouse IgG secondary antibodies;</p>



ARG57998 anti-SLC7A11 / xCT antibody WB image

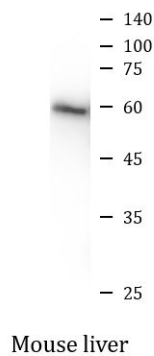
Western blot: Mouse Testis stained with ARG57998 anti-SLC7A11 / xCT antibody at 1:1000 dilution.

From Lipeng Li et al. Ecotoxicol Environ Saf (2023), [doi: 10.1016/j.ecoenv.2023.115309](https://doi.org/10.1016/j.ecoenv.2023.115309), Fig. 2F1.



ARG57998 anti-SLC7A11 / xCT antibody WB image

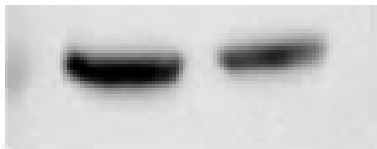
Western blot: 20 μ g of HeLa cell lysate stained with ARG57998 anti-SLC7A11 / xCT antibody at 1:1000 dilution.



ARG57998 anti-SLC7A11 / xCT antibody WB image

Western blot: 20 μ g of Mouse liver lysate stained with ARG57998 anti-SLC7A11 / xCT antibody at 1:1000 dilution.

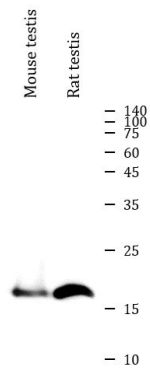
SLC7A11



ARG57998 anti-SLC7A11 / xCT antibody WB image

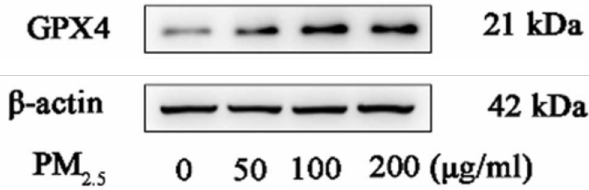
Western blot: GBC-SD cells stained with ARG57998 anti-SLC7A11 / xCT antibody.

From Desen Fan et al. Heliyon (2024), [doi: 10.1016/j.heliyon.2024.e30260](https://doi.org/10.1016/j.heliyon.2024.e30260), Fig. 2. E.



ARG41400 anti-GPX4 antibody WB image

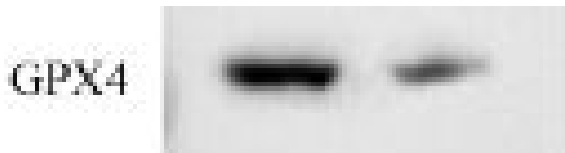
Western blot: 20 µg of Mouse testis and Rat testis lysates stained with ARG41400 anti-GPX4 antibody at 1:1000 dilution.



ARG41400 anti-GPX4 antibody WB image

Western blot: Mouse Testis stained with ARG41400 anti-GPX4 antibody at 1:1000 dilution.

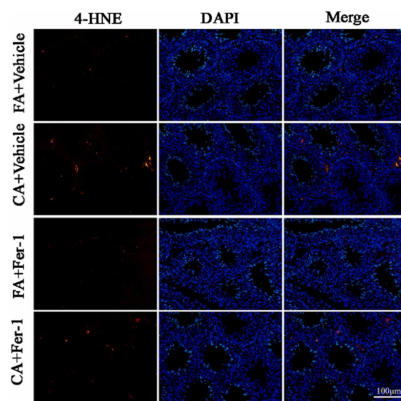
From Lipeng Li et al. *Ecotoxicol Environ Saf* (2023), [doi: 10.1016/j.ecoenv.2023.115309](https://doi.org/10.1016/j.ecoenv.2023.115309), Fig. 2F1.



ARG41400 anti-GPX4 antibody WB image

Western blot: GBC-SD cells stained with ARG41400 anti-GPX4 antibody.

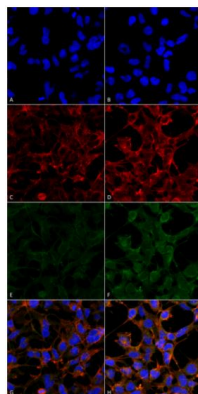
From Desen Fan et al. *Heliyon* (2024), [doi: 10.1016/j.heliyon.2024.e30260](https://doi.org/10.1016/j.heliyon.2024.e30260), Fig. 2. E.



ARG23717 anti-4 Hydroxynonenal antibody [12F7] IHC-P image

Immunohistochemistry: Mouse testis stained with ARG23717 anti-4 Hydroxynonenal antibody [12F7] at 1:50 dilution.

From Lipeng Li et al. *FDX1 regulates leydig cell ferroptosis mediates PM2.5-induced testicular dysfunction of mice* (2023), [doi: 10.1016/j.ecoenv.2023.115309](https://doi.org/10.1016/j.ecoenv.2023.115309), Fig. 4A1.



ARG23717 anti-4 Hydroxynonenal antibody [12F7] ICC/IF image

Immunofluorescence: HEK293 cells fixed with 5% Formaldehyde (5 min). Cells were stained with ARG23717 anti-4 Hydroxynonenal antibody [12F7] at 1:50 for 30-60 min at RT. Magnification: 20X (2X Zoom). (A,C,E,G): Untreated. (B,D,F,H): Cells cultured overnight with 50 µM H₂O₂. (A,B) DAPI (blue) nuclear stain. (C,D) Phalloidin Alex Fluor 633 F-Actin stain. (E,F) Primary antibodies. (G,H) Composite.

ARG23717 anti-4 Hydroxynonenal antibody [12F7] WB image

Western blot: 0.5 µg of BSA, 0.5 µg of 4-hydroxyl nonenal-BSA, 2.0 µg of 4-hydroxy nonenal-BSA, 0.5 µg of 4-hydroxy-2-hexenal and 2.0 µg of 4-hydroxy-2-hexenal stained with ARG23717 anti-4 Hydroxynonenal antibody [12F7] at 1:1000 for 2 hours at RT.

