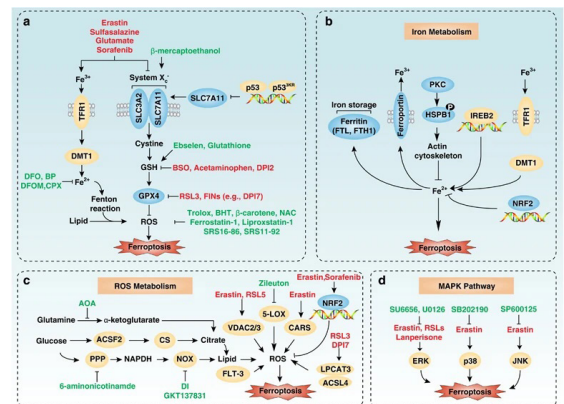


Ferroptosis is a recently discovered form of regulated cell death that is characterized by the accumulation of lipid peroxides and iron-dependent reactive oxygen species (ROS) in cells. Proteins involved in Ferroptosis include glutathione-dependent lipid peroxidase (GPX4), the iron transporter transferrin, and the cystine/glutamate antiporter system xc⁻. Inhibition of any of these proteins leads to the accumulation of lipid peroxides, and the eventual triggering of ferroptosis.

Featured Antibodies

Product	Cat. No.	Clonality	Host	Applications
AIFM2 (IN) Antibody	9655	Polyclonal	Rabbit	E, IF, IHC, WB
AIFM2 (CT) Antibody	9653	Polyclonal	Rabbit	E, IHC,, WB
NCOA4 (IN) Antibody	9663	Polyclonal	Rabbit	E, IF, IHC, WB
PEX3 (CT) Antibody	9665	Polyclonal	Rabbit	E, IF, WB
PEX3 (IN) Antibody	9667	Polyclonal	Rabbit	E, IF, WB
PEX10 (CT) Antibody	9671	Polyclonal	Rabbit	E, IF, WB
FLT3 Antibody	7027	Polyclonal	Rabbit	E, IF, WB
LPCAT3 Antibody	16-999	Polyclonal	Rabbit	WB
GPX4 Antibody	14-907	Polyclonal	Rabbit	IF, IHC, WB
SLC7A11 Antibody	46-378	Polyclonal	Goat	E, Flow, IF, IHC, WB
IREB2 Antibody	56-572	Polyclonal	Rabbit	Flow, IHC-P, WB
NRF2 Antibody	13-240	Polyclonal	Rabbit	IF, IHC, WB
SLC3A2 Antibody [U7F8]	33-203	Monoclonal	Mouse	Flow, Functional Assays, IF, WB
Ferritin Antibody [FTLC1-1]	34-030	Monoclonal	Mouse	Flow, IF, IHC, WB

Molecular Mechanisms and Signaling Pathways of Ferroptosis



(a) Core regulators of ferroptosis. (b–d) Roles of iron metabolism; (b), ROS metabolism (c), and the MAPK pathway (d) in ferroptosis

Figure from: Xie, Y., Hou, W., Song, X. et al. Ferroptosis: process and function. *Cell Death Differ* 23, 369–379 (2016). <https://doi.org/10.1038/cdd.2015.158>

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