

细胞铜死亡

Cuproptosis



正能生物

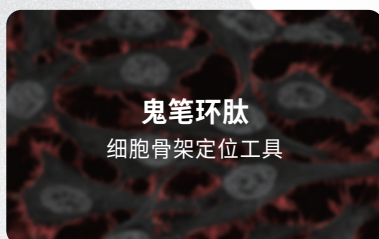
立足中国成都，服务全球用户

集抗体和蛋白研发、生产、销售于一体的生物高科技企业

正能官网 www.zen-bio.cn

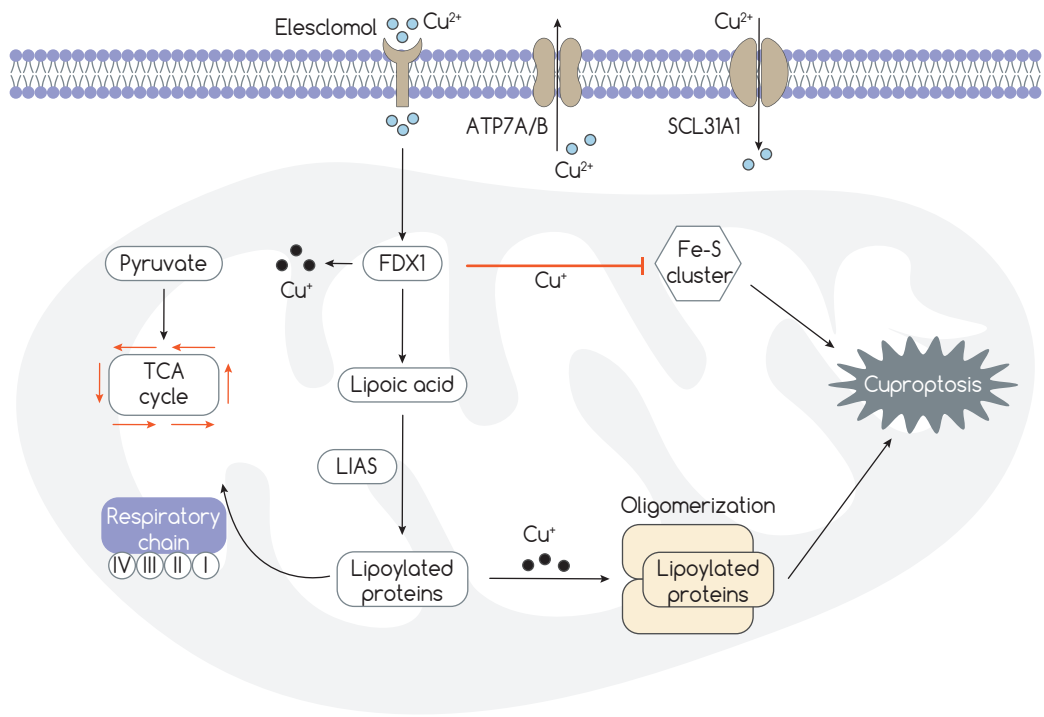
成都正能生物（Zen-bioscience）成立于 2007 年，于 2013 年获得国家高新技术企业认证。公司拥有先进的蛋白研究方法，建成了集工具类蛋白及抗体研发生产为一体的全流程平台，囊括多个核心技术。目前已获得 8 项国家发明专利，34 项实用新型专利，并有多项发明专利已进入实审。产品覆盖了现代生命科学研究的各大前沿领域，包括癌症、免疫学、神经科学、心血管疾病、肿瘤干细胞、表观遗传学和内分泌代谢等。

正能生物致力于为全球生命科学研究机构及生物技术企业研制高品质的蛋白及抗体产品，从而促进生命科学和人类健康事业的发展！



细胞铜死亡 Cuproptosis

铜是哺乳动物体内维持在低水平的微量元素。作为关键酶的细胞内催化辅因子，铜调节能量转化、肽胺基化、细胞内氧化代谢以及促进血管生成。然而，最近的研究表明，铜（Cu²⁺）在高浓度下可能导致一种被称为“铜死亡”的细胞死亡方式。这种细胞死亡方式似乎与其他经典的细胞凋亡、坏死等细胞死亡方式有所不同，其特点是铜积累和蛋白毒性应激，是一种铜依赖性死亡方式。



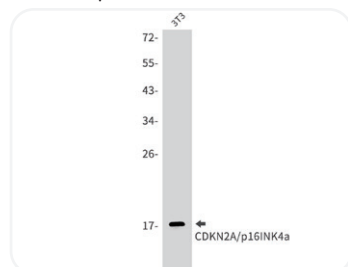
铜死亡机制

细胞铜死亡 · 产品推荐			H-Human; M-Mouse; R-Rat; Mk-Monkey; Hm-Hamster; Pg-Pig; C-Chicken; Dg-Dog	
靶标	产品货号	产品名称	反应种属	应用
ATP7A	861470	ATP7A Rabbit pAb	H	WB,IHC-P
	R389236	ATP7B Rabbit mAb	H	WB,ICC/IF,FC
p16	R23895	CDKN2A/p16INK4a Rabbit mAb	H,M	WB,ICC/IF
	R23896	CDKN2A/p16INK4a Rabbit mAb	M,R	WB,ICC/IF,IP
	R23897	CDKN2A/p16INK4a Rabbit mAb	H,M	WB,IP
	380963	CDKN2A/p16INK4a Rabbit pAb	H	WB,IHC-P,ICC/IF,IP,FC
	M50203	CDKN2A/p16INK4a Mouse mAb	H	IHC-P
	222166	CDKN2A Mouse mAb	H	WB,IHC-P,FC,ELISA
DLD	350095	Lactate Dehydrogenase D Rabbit pAb	H,M,R	WB

DLAT	R27216	Pyruvate Dehydrogenase E2 Rabbit mAb	H,M,R,Hm	WB,ICC/IF,IP
	200678	Pyruvate Dehydrogenase E2 (4A4) Mouse mAb	H,M	WB,ICC/IF,IP
	T200678	Pyruvate Dehydrogenase E2 Mouse mAb	H,Mk	WB,ICC/IF,IP
	R389101	Pyruvate Dehydrogenase E2 Rabbit mAb	H,M,R	WB,ICC/IF,IP,FC
FDX1	R23394	Adrenodoxin Rabbit mAb	H,M	WB,IHC-P,IP
GLS	381275	Glutaminase Rabbit pAb	H,M,R	WB,IHC-P,ICC/IF
	R381275	Glutaminase Rabbit mAb	H,M,R	WB,IHC-P,ICC/IF
MTF1	125398	MELTF Rabbit pAb	H	WB
PDHA1	R30262	Phospho-PDHA1 (Ser293) Rabbit mAb	H,M,R	WB,IHC-P,IP
	222684	PDHA1 Mouse mAb	H,M,R	WB,IHC-P,ICC/IF,FC,ELISA
PDHB	122852	Pyruvate Dehydrogenase E1 beta Rabbit pAb	H,M,R	WB,IHC-P
	R382198	Pyruvate Dehydrogenase E1 beta Rabbit mAb	H,M,R	WB,IHC-P,ICC/IF,IP,FC
PDH E1 Alpha	R25512	Pyruvate Dehydrogenase E1 alpha Rabbit mAb	H,M,R	WB,ICC/IF,IP
	381641	Pyruvate Dehydrogenase E1 alpha Rabbit pAb	H,M,R	WB,IHC-P,ICC/IF,FC,IP
SLC31A1	R27288	SLC31A1 Rabbit mAb	H,M,R,Hm	WB
	510109	SLC31A1 Rabbit pAb	H,M	WB

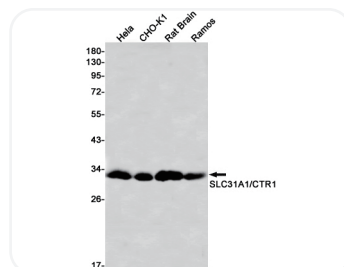


#R23896
CDKN2A/p16INK4a Rabbit mAb



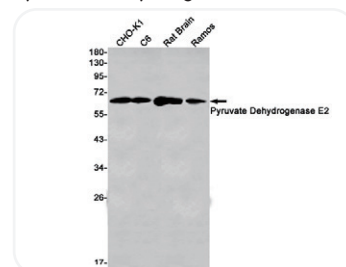
Western blot analysis of CDKN2A/p16INK4a in 3T3 lysates using CDKN2A antibody.

#R27288
SLC31A1 Rabbit mAb



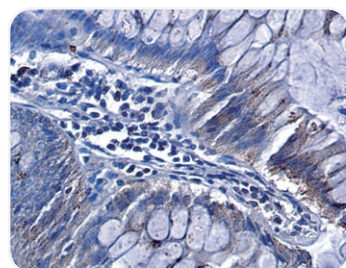
Western blot analysis of SLC31A1/CTR1 in Hela, CHO-K1, rat Brain, Ramos lysates using SLC31A1/CTR1 antibody.

#R27216
Pyruvate Dehydrogenase E2 Rabbit mAb



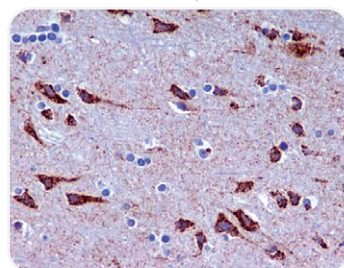
Western blot analysis of Pyruvate Dehydrogenase E2 in CHO-K1, C6, rat Brain, Ramos lysates using Pyruvate Dehydrogenase E2 antibody.

#R23394
Adrenodoxin Rabbit mAb



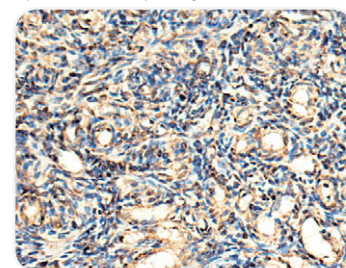
Immunohistochemistry analysis of paraffin-embedded Human colon cancer using Adrenodoxin antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

#381275
Glutaminase Rabbit pAb



Immunohistochemistry analysis of paraffin-embedded Human brain using Glutaminase antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

#122852
Pyruvate Dehydrogenase E1 beta Rabbit pAb



Immunohistochemistry analysis of paraffin-embedded Human ovarian cancer using Pyruvate Dehydrogenase E1 beta antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.