

Cancer—Cancer Metabolism

Cancer Metabolism-在癌症代谢过程中，癌细胞通过代谢重编程重塑能量与物质代谢，以满足其无限增殖的生物合成与能量需求。其典型特征表现为有氧糖酵解（Warburg效应），即即使在氧气充足条件下仍优先将葡萄糖转化为乳酸。此过程虽ATP产率较低，但可快速提供能量并为核酸、脂肪酸及氨基酸等生物大分子合成提供碳源。此外，癌细胞显著增强对谷氨酰胺和脂肪酸等营养素的摄取与分解代谢，以补充三羧酸循环中间产物、支持氧化还原稳态及脂质合成。这些代谢适应性改变不仅赋予癌细胞在低氧和营养匮乏微环境中的生存优势，亦通过重塑肿瘤微环境进一步促进肿瘤演进。

优质抗体推荐

Product name	Catalog#	Species reactivity	Tested applications	Antibody type
LDHA + LDHB	HA723486	H,Ms,R	WB,IHC-P,IF-Cell,FC,IP	Rabbit mAb
Phospho-PPP1CA (T320)	HA723194	H,Ms,R	WB,IHC-P,IP	Rabbit mAb
ketohexokinase	HA721949	H,Ms	WB,IF-Cell,IHC-P,FC	Rabbit mAb
HMGCS1	HA722997	H,Ms,R,Mk	WB,IP	Rabbit mAb
LCAT	HA722868	Ms,R	WB,IHC-P	Rabbit mAb
CETP	HA722752	H,Ms,R	WB,IHC-P	Rabbit mAb
Phospho-AMPK alpha 2 (S491)	HA722567	H	WB	Rabbit mAb
Dopamine beta Hydroxylase	HA722558	H	WB	Rabbit mAb
PKM1/2	HA722524	H,Ms,R	WB,IP	Rabbit mAb
ABCD1 / ALD	HA722413	H,Ms,R	WB,IF-Cell	Rabbit mAb
COX6B1	HA722407	H	WB,IHC-P,IF-Tissue	Rabbit mAb
Glucokinase	HA722204	H	WB	Rabbit mAb
Lrp2 / Megalin	HA721910	H	IHC-P,IF-Tissue,WB	Rabbit mAb
ABHD5	HA721903	Ms	WB,FC	Rabbit mAb
GALT	HA721875	H,Ms,R	WB,IF-Cell,FC	Rabbit mAb
NSDHL	HA721813	H,Ms,R	WB,IHC-P,IF-Cell,FC,IP	Rabbit mAb

*H: Human; Ms: Mouse; R: Rat; Mk: Monkey

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产品特点

高灵敏性

稀释比高，信号强，背景低。

01



高特异性

独立抗体验证，敲低验证和细胞处理验证，确保抗体的特异性。

02



种属/应用全面

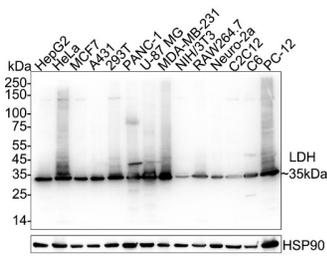
满足不同种属、不同应用的实验需求。

03

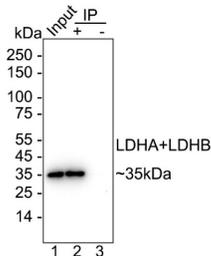


检测数据精选

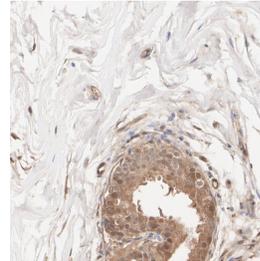
LDHA + LDHB 重组兔单抗 | HA723486



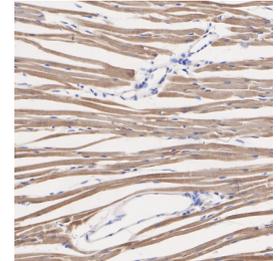
WB analysis on different lysates
(1/5,000 dilution)



IP analysis on HepG2 lysates
(1/5,000 dilution)

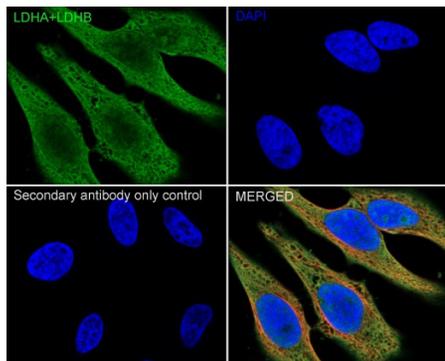


IHC-P staining with human breast cancer tissue
(1/20,000 dilution)

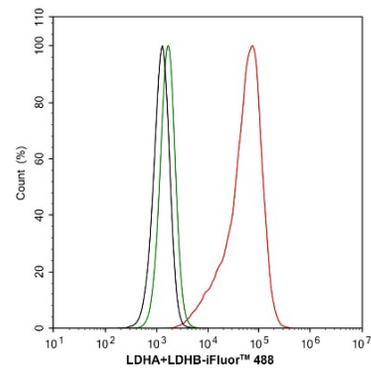


IHC-P staining with mouse heart tissue
(1/20,000 dilution)

LDHA + LDHB 重组兔单抗 | HA723486

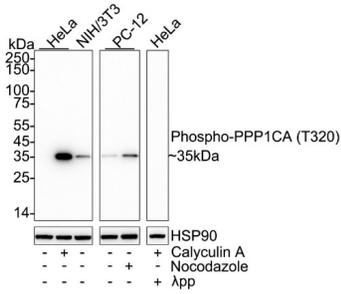


IF-cell staining with HeLa Cells
(1/100 dilution)

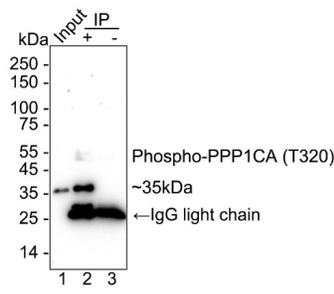


FC analysis of HeLa cells
(1/1,000 dilution)

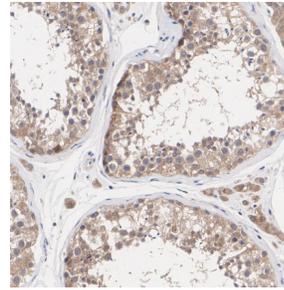
Phospho-PPP1CA (T320) 重组兔单抗 | HA723194



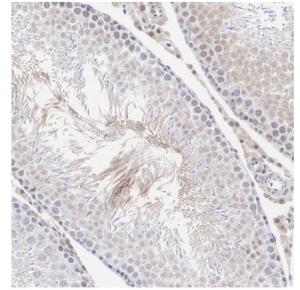
WB analysis on different lysates
(1/2,000 dilution)
Cell treatment (CT) validated



IP analysis on HeLa treated with 50mM Calyculin A for 3 hours cell lysates
(1/2,000 dilution)

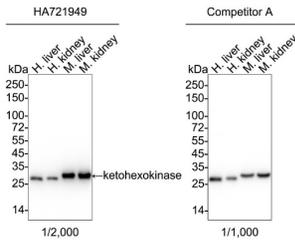


IHC-P staining with human testis tissue
(1/20,000 dilution)

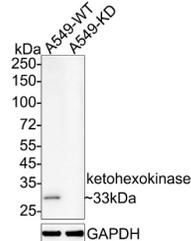


IHC-P staining with rat testis tissue
(1/20,000 dilution)

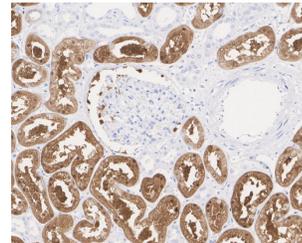
ketoheksokinase 重组兔单抗 | HA721949



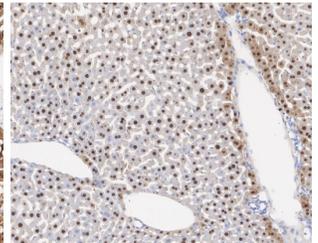
WB analysis on different lysates
(1/2,000 dilution)



WB analysis on A549 lysates
(1/2,000 dilution)
Knockdown (KD) validated

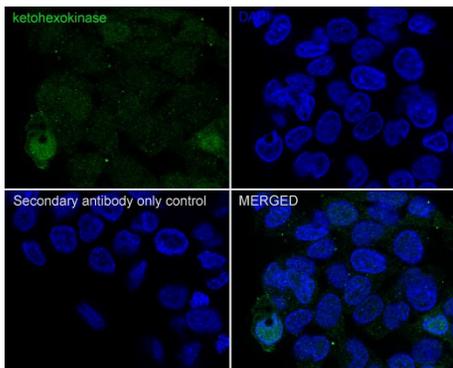


IHC-P staining with human kidney tissue
(1/2,000 dilution)

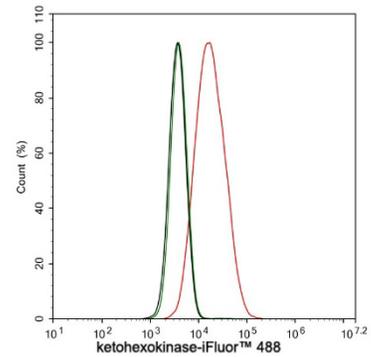


IHC-P staining with mouse liver tissue
(1/2,000 dilution)

ketoheksokinase 重组兔单抗 | HA721949



IF-cell analysis of HepG2 cells
(1/100 dilution)



FC analysis of HepG2 cells
(1/1,000 dilution)