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Anti-Lactate Dehydrogenase Isoenzyme V Rabbit mAb [64G82]

Catalog No.: A52206

Basic Information

Catalog No. (Cat.No.)	A52206
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	Lactate Dehydrogenase Isoenzyme V,LDH-V,LDH-A,Lactate dehydrogenase M chain

Product Information

Target	Lactate Dehydrogenase Isoenzyme V
Molecular Weight(Calculated)	36 kDa
Molecular Weight(Observed)	36 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	64G82
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:500-1:2000
IHC	1:200-1:1000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Lactate dehydrogenase A (LDHA)
Gene Name	*LDHA*
Domain	NA
Background	Lactate Dehydrogenase Isoenzyme V (LDH5) is a tetrameric L-lactate dehydrogenase isozyme composed of four LDHA subunits, localized in cytoplasm. It catalyzes terminal glycolytic reaction: reduction of pyruvate to lactate, regenerating NAD+ to sustain glycolysis especially under hypoxia. LDH5 is a central effector of Warburg effect. It is frequently over-expressed in tumors, driving lactate production and remodeling tumor microenvironment.