Ablumir
Built Around Immunology

Anti-Hexokinase II Rabbit mAb [21E02]

Catalog No.: A52178

Basic Information

Catalog No. (Cat.No.)	A52178
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	Hexokinase II,HK-II,HKII,Type II hexokinase

Product Information

Target	Hexokinase II
Molecular Weight(Calculated)	102 kDa
Molecular Weight(Observed)	102 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	21E02
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

Ablumir
Built Around Immunology

Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:200-1:400
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Hexokinase-2
Gene Name	*HK2*
Domain	NA
Background	Hexokinase II (HK2) is a glycolytic enzyme of hexokinase family, localized in cytoplasm and capable of associating with outer mitochondrial membrane. It catalyzes glucose phosphorylation to generate glucose-6-phosphate, representing the rate-limiting first step of glycolysis. HK2 rewires cellular metabolism to boost glycolytic flux for rapid cell proliferation. Markedly up-regulated in diverse cancers, HK2 drives Warburg effect and facilitates tumor growth and anti-apoptosis. Its mitochondrial-bound pool cross-talks glycolysis with mitochondrial apoptotic signaling.