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Anti-SDHA Rabbit mAb [66F25]

Catalog No.: A52299

Basic Information

Catalog No. (Cat.No.)	A52299
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	SDHA,SDH2,SDHF,Succinate dehydrogenase [ubiquinone] flavoprotein subunit,mitochondrial,Flavoprotein subunit of complex II,Fp

Product Information

Target	SDHA
Molecular Weight(Calculated)	73 kDa
Molecular Weight(Observed)	73 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	66F25
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	1:1000-1:5000
IHC	1:200-1:1000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Succinate dehydrogenase complex flavoprotein subunit A
Gene Name	*SDHA*
Domain	NA
Background	SDHA (Succinate dehydrogenase complex flavoprotein subunit A) is catalytic flavoprotein subunit of mitochondrial complex II residing on inner mitochondrial membrane, coupling tricarboxylic-acid-cycle catalysis with respiratory-chain electron transfer. SDHA constitutes catalytic core of complex II, oxidizing succinate into fumarate and transferring electrons to ubiquinone, linking TCA cycle and oxidative phosphorylation. SDHA deficiency impairs complex II activity leading to succinate accumulation, inhibiting α-KG-dependent dioxygenases and triggering epigenetic reprogramming characteristic of SDH-deficient neoplasms. SDHA is also widely used as reference marker for mitochondrial integrity.