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Anti-UCP1 Rabbit mAb [65F39]

Catalog No.: A52357

Basic Information

Catalog No. (Cat.No.)	A52357
Host species	Rabbit
Reactivity	Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	UCP1,Uncoupling protein 1,UCP1,UCP,thermogenin

Product Information

Target	UCP1
Molecular Weight(Calculated)	33 kDa
Molecular Weight(Observed)	33 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	65F39
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
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Uncoupling protein-1
Gene Name	*UCP1*
Domain	NA
Background	UCP1 (Uncoupling protein 1) resides in inner mitochondrial membrane of brown adipocytes. It mediates proton leak, uncouples oxidative-phosphorylation ATP-production from respiratory-chain electron flow and dissipates energy as heat to accomplish non-shivering thermogenesis. UCP1 serves as specific biomarker for brown adipocytes. Cold exposure and β-adrenergic signalling up-regulate UCP1 to trigger thermogenesis.