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Anti-SQSTM1/p62 Rabbit mAb [60F08]

Catalog No.: A52316

Basic Information

Catalog No. (Cat.No.)	A52316
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	SQSTM1/p62,p62 / SQSTM1,p62,DDBP,sequestosome 1,AIP1

Product Information

Target	SQSTM1/p62
Molecular Weight(Calculated)	48 kDa
Molecular Weight(Observed)	60 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	60F08
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	1:500-1:5000
IHC	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Sequestosome-1
Gene Name	*SQSTM1*
Domain	NA
Background	SQSTM1 (p62, Sequestosome-1) is multifunctional adaptor protein mediating selective-autophagy substrate recognition, signal transduction and oxidative-stress responses. Acting as autophagy receptor, p62 binds ubiquitinated cargo and LC3 simultaneously to target ubiquitinated substrates for selective autophagic degradation. When autophagic flux is intact, p62 is degraded together with cargo inside lysosomes; autophagy blockade leads to massive p62 accumulation. p62 also modulates Nrf2 antioxidant axis, mTOR and NF-κB inflammatory cascades. It is implicated in protein-aggregation disorders and malignancy. p62 abundance is widely adopted to evaluate autophagic-flux status.