SQSTM1/p62 (Phospho-Ser) Antibody

Catalog No: #SAB649

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Description

Product Name	SQSTM1/p62 (Phospho-Ser) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was purified from rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Applications	WB
Species Reactivity	Human
Specificity	SQSTM1/p62(Phospho-Ser28) Antibody detects endogenous levels of NFKBIA only when phosphorylated at Ser28.
Immunogen Description	A synthesized peptide derived from human SQSTM1/p62 around the phosphorylation site of Ser28.
Other Names	SQSTM1,ORCA, OSIL,Sequestosome-1,Ubiquitin-binding protein p62,EBIAP
Uniprot	Q13501
GeneID	8878
Calculated MW	47kd
Concentration	1 mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.
Storage	Store at --20°C/1 year

Application Details

Western Blot: 1/500 - 1/2000

Background

Autophagy receptor required for selective macroautophagy (aggrephagy). Functions as a bridge between polyubiquitinated cargo and autophagosomes. Interacts directly with both the cargo to become degraded and an autophagy modifier of the MAP1 LC3 family (PubMed:16286508, PubMed:20168092, PubMed:24128730, PubMed:28404643, PubMed:22622177). Along with WDFY3, involved in the formation and autophagic degradation of cytoplasmic ubiquitin-containing inclusions (p62 bodies, ALIS/aggresome-like induced structures). Along with WDFY3, required to recruit ubiquitinated proteins to PML bodies in the nucleus

Note: This product is for in vitro research use only