Best Tools for immunology Research

SQSTM1/p62 rabbit-FC recombinant protein

Catalog No :	YD3103
Reactivity :	Human;
Purity :	>90% as determined by SDS-PAGE
Gene Name :	SQSTM1/p62
Protein Name :	SQSTM
Sequence :	Amino acid:236-440,with rabbit FC tag.
Human Gene Id :	8878
Human Swiss Prot No :	Q13501
Formulation :	Phosphate-buffered solution
Source :	Mammalian cells
Storage Stability :	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
Background :	This gene encodes a multifunctional protein that binds ubiquitin and regulates activation of the nuclear factor kappa-B (NF-kB) signaling pathway. The protein functions as a scaffolding/adaptor protein in concert with TNF receptor-associated factor 6 to mediate activation of NF-kB in response to upstream signals. Alternatively spliced transcript variants encoding either the same or different isoforms have been identified for this gene. Mutations in this gene result in sporadic and familial Paget disease of bone. [provided by RefSeq, Mar 2009],
Function :	disease:Defects in SQSTM1 are a cause of sporadic and familial Paget disease of bone (PDB) [MIM:602080]. PDB is a metabolic bone disease affecting the axial skeleton and characterized by focal areas of increased and disorganized bone turn-over due to activated osteoclasts. Manifestations of the disease include bone pain, deformity, pathological fractures, deafness, neurological complications and increased risk of osteosarcoma. PDB is a chronic disease affecting 2 to 3% of the population above the age of 40 years.,domain:The OPR domain mediates homooligomerization and interactions with PRKCZ, PRKCI, MAP2K5 and NBR1.,domain:The UBA domain binds specifically 'Lys-63'-linked polyubiquitin chains of polyubiquitinated substrates. Mediates the interaction with

	TRIM55.,domain:The ZZ-type zinc finger mediates the interaction with RIPK1.,function:Adapter protein which binds ubiquitin and may regul
Subcellular Location :	Cytoplasm, Nuclear

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