Best Tools for immunology Research

SQSTM1/p62 (Phospho Thr269/Ser272) rabbit pAb

Catalog No :	YP1506
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC
Target :	SQSTM1/p62
Fields :	>>Mitophagy - animal;>>Autophagy - animal;>>Necroptosis;>>Cellular senescence;>>Osteoclast differentiation;>>Amyotrophic lateral sclerosis;>>Pathways of neurodegeneration - multiple diseases;>>Shigellosis;>>Fluid shear stress and atherosclerosis
Gene Name :	SQSTM1 ORCA OSIL
Protein Name :	SQSTM1/p62 (Thr269/Ser272)
Human Gene Id :	8878
Human Swiss Prot No :	Q13501
Mouse Gene Id :	18412
Mouse Swiss Prot No :	Q64337
Rat Gene Id :	113894
Rat Swiss Prot No :	O08623
Immunogen :	Synthesized phosho peptide around human SQSTM1 (Thr269 and Ser272)
Specificity :	This antibody detects endogenous levels of Human Mouse Rat SQSTM1/p62 (phospho-Thr269 or Ser272)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG

Dilution :	WB 1:500-2000;IHC 1:50-300
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	48kD
Observed Band :	60kD
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, cytosol . Late endosome. Lysosome. Cytoplasmic vesicle, autophagosome. Nucleus. Endoplasmic reticulum. Nucleus, PML body . Cytoplasm, myofibril, sarcomere . In cardiac muscle, localizes to the sarcomeric band (By similarity). Commonly found in inclusion bodies containing polyubiquitinated protein aggregates. In neurodegenerative diseases, detected in Lewy bodies in Parkinson disease, neurofibrillary tangles in Alzheimer disease, and HTT aggregates in Huntington disease. In protein aggregate diseases of the liver, found in large amounts in Mallory bodies of alcoholic and nonalcoholic steatohepatitis, hyaline bodies in hepatocellular carcinoma, and in SERPINA1 aggregates. Enriched in Rosenthal fibers of pilocytic astrocytoma. In the cytoplasm, observed in both membrane-free ubiqui
Expression :	Ubiquitously expressed.

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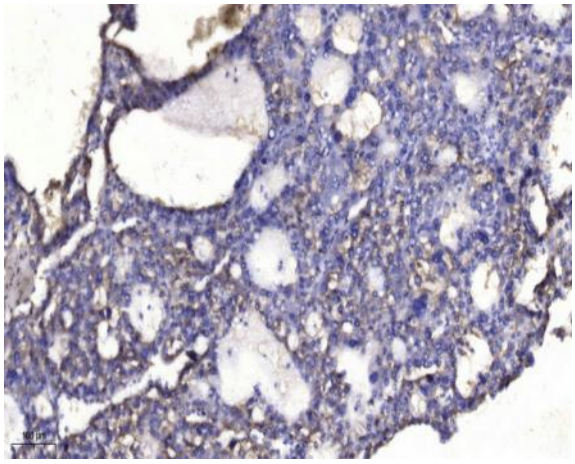
Sort :	16571
No4 :	1
Host :	Rabbit
Modifications :	Phospho

Products Images



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).