

SQSTM1/p62 (PT0051R) PT® Rabbit mAb

Catalog No :	YM8025
Reactivity :	Human;Mouse;Rat;
Applications :	WB;IHC;IF;IP;ELISA
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 :	SQSTM
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
Specificity :	endogenous
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, rabbit, IgG, Kappa
Dilution :	IHC 1:200-1000,WB 1:500-5000,IF 1:200-1000,ELISA 1:5000-20000,IP 1:50-200

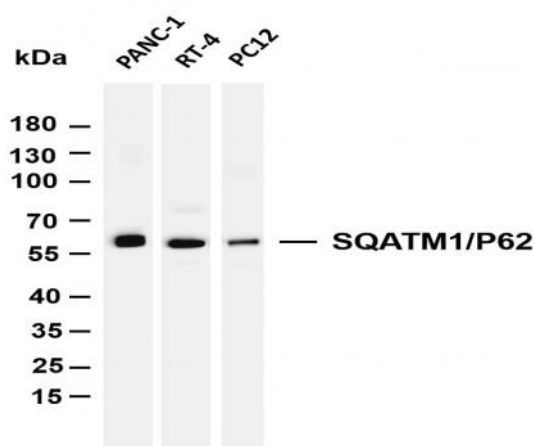
Purification :	Protein A
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	48kD
Observed Band :	60kD

Background : This gene encodes a multifunctional protein that binds ubiquitin and regulates activation of the nuclear factor kappa-B (NF-κB) signaling pathway. The protein functions as a scaffolding/adaptor protein in concert with TNF receptor-associated factor 6 to mediate activation of NF-κB 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],

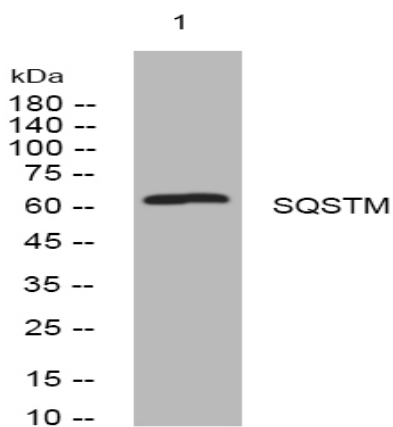
Function : disease:Defects in SQSTM1 are a cause of sporadic and familial Paget disease of bone (PDB) [MIM:602080]. PDB is a metabolic bone disease affecting the axial skeleton and characterized by focal areas of increased and disorganized bone turn-over due to activated osteoclasts. Manifestations of 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

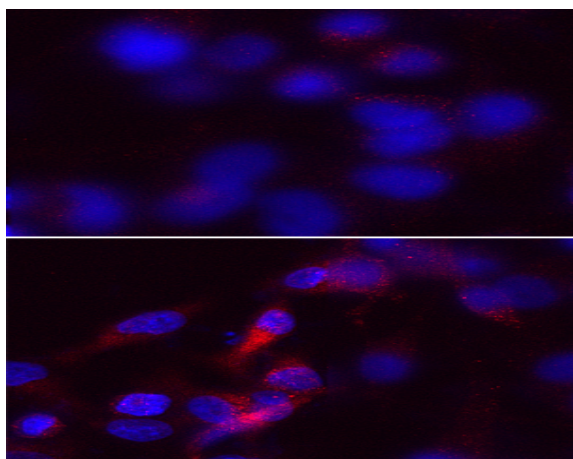
Products Images



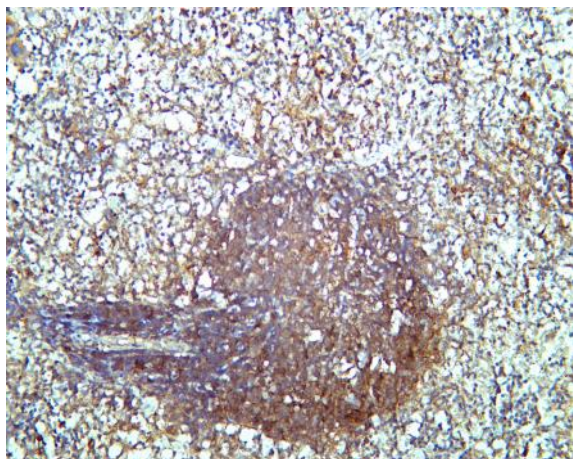
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-SQATM1/P62 (PT0051R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: PANC-1 Lane 2: RT-4 Lane 3: PC12 Predicted band size: 48kDa Observed band size: 62kDa



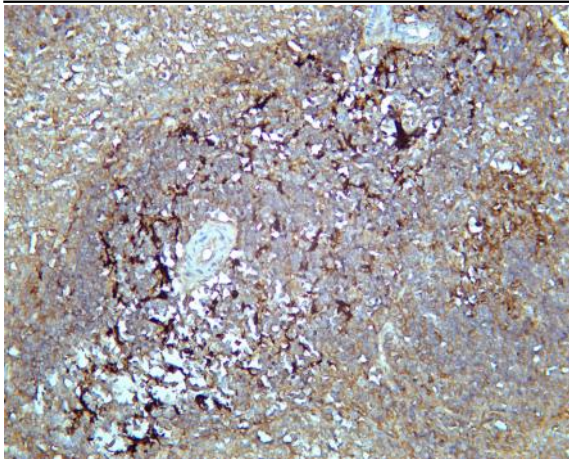
Western blot analysis of lysates from AD293 cells, primary antibody was diluted at 1:1000, 4° over night



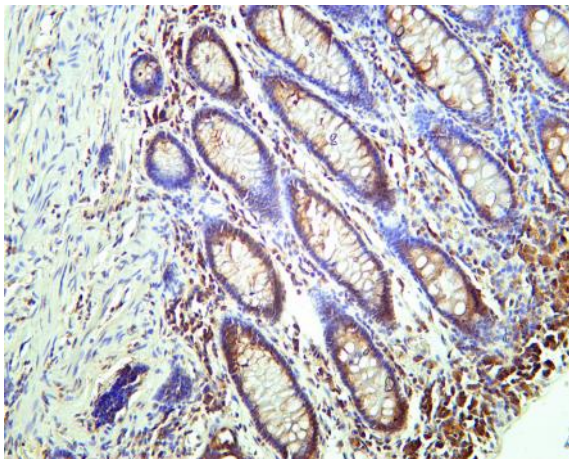
Immunofluorescence analysis of HeLa cells treated or un-treated with UV 30MIN. 1, primary antibody (red) was diluted at 1:200 (4°C, overnight). 2, AF488 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min).



Mouse spleen tissue was stained with Anti-SQSTM1/p62 (PT0051R) rabbit Antibody



Rat spleen tissue was stained with Anti-SQSTM1/p62 (PT0051R) rabbit Antibody



Human colon carcinoma tissue was stained with Anti-SQSTM1/p62 (PT0051R) rabbit Antibody