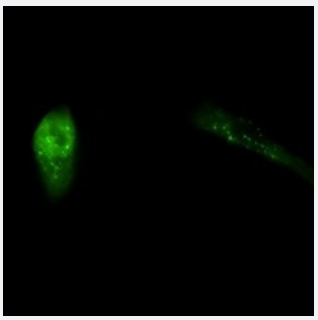
RecomAb™

SQSTM1 recombinant monoclonal antibody

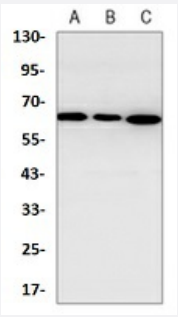
Catalog # RAB02611 Size 100 uL

Applications



Immunofluorescence

Immunofluorescent analysis of U87MG cells with SQSTM1 recombinant monoclonal antibody (Cat # RAB02611). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.



Western Blot (Cell lysate)

Western blot analysis of A549 (A), HL60 (B), U2OS (C) whole cell lysates with SQSTM1 recombinant monoclonal antibody (Cat # RAB02611).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human SQSTM1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein of human SQSTM1.
Theoretical MW (kDa)	62
Reactivity	Human

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Specificity	Recognizes endogenous levels of p62 protein.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:100) Immunofluorescence (1:50-1:100) Immunoprecipitation (1:10-1:50) Western Blot (1:500-1:1000)
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence

  Immunofluorescent analysis of U87MG cells with SQSTM1 recombinant monoclonal antibody (Cat # RAB02611). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

- Immunocytochemistry

- Immunoprecipitation

- Western Blot (Cell lysate)

  Western blot analysis of A549 (A), HL60 (B), U2OS (C) whole cell lysates with SQSTM1 recombinant monoclonal antibody (Cat # RAB02611).

Gene Info — SQSTM1

Entrez GeneID	8878

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Protein Accession#	Q13501
Gene Name	SQSTM1
Gene Alias	A170, OSIL, PDB3, ZIP3, p60, p62, p62B
Gene Description	sequestosome 1
Omim ID	601530 602080
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a multifunctional protein that binds ubiquitin and regulates activation of the nuc lear factor kappa-B (NF-kB) signaling pathway. The protein functions as a scaffolding/adaptor pro tein in concert with TNF receptor-associated factor 6 to mediate activation of NF-kB in response t o upstream signals. Alternatively spliced transcript variants encoding either the same or different i soforms have been identified for this gene. Mutations in this gene result in sporadic and familial P aget disease of bone. [provided by RefSeq
Other Designations	EBI3-associated protein p60|Paget disease of bone 3|oxidative stress induced like|phosphotyros ine independent ligand for the Lck SH2 domain p62|ubiquitin-binding protein p62

Disease

- Genetic Predisposition to Disease
- Multiple System Atrophy
- Osteitis Deformans
- Tobacco Use Disorder

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