

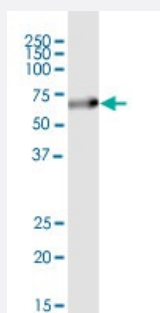
CX Grade

SQSTM1 monoclonal antibody (M01J), clone 2C11

Catalog # H00008878-M01J

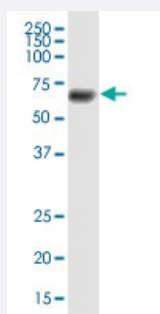
Size 100 ug

Applications



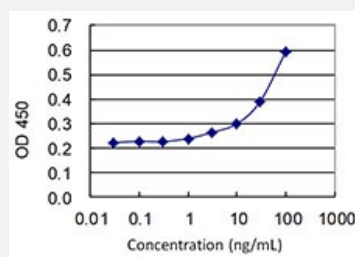
Western Blot (Cell lysate)

SQSTM1 monoclonal antibody (M01J), clone 2C11. Western Blot analysis of SQSTM1 expression in HeLa.



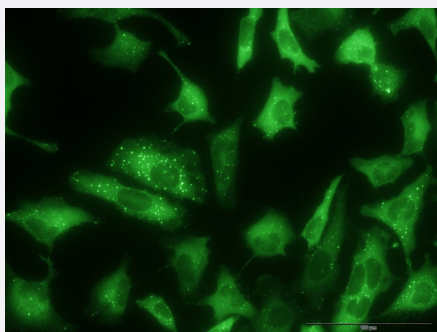
Western Blot (Cell lysate)

SQSTM1 monoclonal antibody (M01J), clone 2C11. Western Blot analysis of SQSTM1 expression in MCF-7.



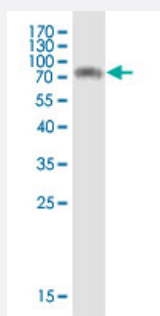
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SQSTM1 is 1 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to SQSTM1 on HeLa cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (74.14 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant SQSTM1. This product is belong to Cell Culture Grade Antibody (CX Grade).
Immunogen	SQSTM1 (AAH03139.1, 1 a.a. ~ 440 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MASLTVKAYLLGKEDAAREIRRFSCCSPEPEAEAEAAAGPGPCERLLSRVAALFPALRPGGFQ AHYRDEDGDLVAFSSDEELTMAMSYVKDDIFRMYKEKKECRRDHRPPCAQEAPRNMVHPNVICD GCNGPVVGTRYKCSVCPDYDLCSVCEGKGLHRGHTKLAFSPFGHLSEGFSSHRWLRKVKHGH FGWPGWEMGPPGNWSPRPPRAGEARPGPTAESASGPSEDPSVNFLKNVGESVAAALSPLGIE VDIDVEHGGKRSRLTPVSPSSSTEELKSSSQPSSCCSDPSKPGGNVEGATQSLAEQMRKIALES EGRPEEQMESDNCSSGDDDDWTHLSSKEVDPSTGELQSLQMPSESGPSSLDPSQEGPTGLKEA ALYPHLPPEADPRLESLSQMLSMGFSDEGGWLTRLLQTKNYDIGAALDTIQYSKHPPPL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (90)
Preparation Method	Cell Culture Production
Isotype	IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (74.14 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

SQSTM1 monoclonal antibody (M01J), clone 2C11. Western Blot analysis of SQSTM1 expression in HeLa.

[Protocol Download](#)

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SQSTM1 monoclonal antibody (M01J), clone 2C11. Western Blot analysis of SQSTM1 expression in MCF-7.

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- Western Blot (Recombinant protein)

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[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to SQSTM1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — SQSTM1

Entrez GeneID

[8878](#)

GeneBank Accession#

[BC003139](#)

Protein Accession#

[AAH03139.1](#)

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 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]
Other Designations	EBI3-associated protein p60 Paget disease of bone 3 oxidative stress induced like phosphotyrosine independent ligand for the Lck SH2 domain p62 ubiquitin-binding protein p62

Publication Reference

- [Toxoplasma IWS1 Determines Fitness in Interferon-γ-Activated Host Cells and Mice by Indirectly Regulating ROP18 mRNA Expression.](#)

Emi Hashizaki, Miwa Sasai, Daisuke Okuzaki, Tsubasa Nishi, Takashi Kobayashi, Shiroh Iwanaga, Masahiro Yamamoto.
Mbio 2023 Feb; 14(1):e0325622.

Application: IF, Mouse, MEFs

Disease

- [Genetic Predisposition to Disease](#)
- [Multiple System Atrophy](#)
- [Osteitis Deformans](#)
- [Tobacco Use Disorder](#)