

## **SQSTM1 Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a full length recombinant SQSTM1.

Catalog # AT4033a

### **Specification**

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#### **SQSTM1 Antibody (monoclonal) (M01) - Product Information**

Application	IF, WB, E
Primary Accession	<a href="#">O13501</a>
Other Accession	<a href="#">BC003139</a>
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a kappa
Calculated MW	47687

#### **SQSTM1 Antibody (monoclonal) (M01) - Additional Information**

**Gene ID** 8878

##### **Other Names**

Sequestosome-1, EBI3-associated protein of 60 kDa, EBIAP, p60, Phosphotyrosine-independent ligand for the Lck SH2 domain of 62 kDa, Ubiquitin-binding protein p62, SQSTM1, ORCA, OSIL

##### **Target/Specificity**

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.

##### **Dilution**

WB~~1:500~1000

##### **Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

##### **Storage**

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

##### **Precautions**

SQSTM1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

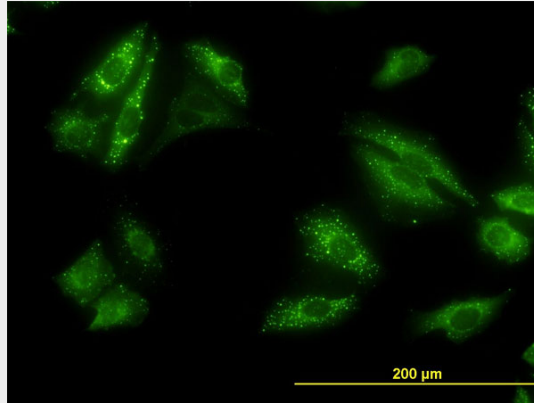
#### **SQSTM1 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

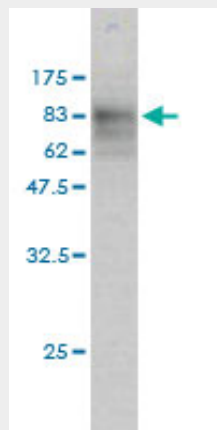
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

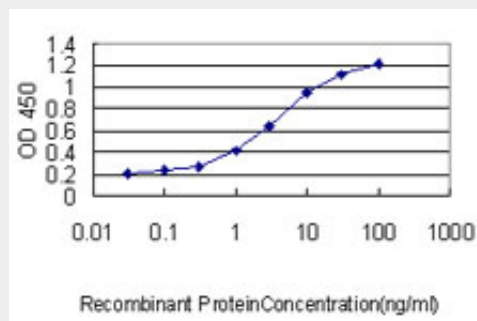
**SQSTM1 Antibody (monoclonal) (M01) - Images**



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



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



Detection limit for recombinant GST tagged SQSTM1 is approximately 0.03ng/ml as a capture antibody.

**SQSTM1 Antibody (monoclonal) (M01) - Background**

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

### SQSTM1 Antibody (monoclonal) (M01) - References

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**SQSTM1 Antibody (monoclonal) (M01) - Citations**

- [A combination therapy for KRAS-driven lung adenocarcinomas using lipophilic bisphosphonates and rapamycin.](#)