

## Recombinant SQSTM1/p62 Monoclonal Antibody

catalog number: E-AB-81512

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

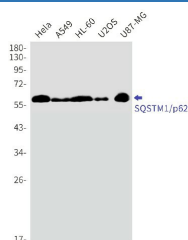
### Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant protein of human SQSTM1/p62
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Clone</b>	R08-4H8
<b>Purification</b>	Affinity Purified
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein.

### Applications Recommended Dilution

<b>WB</b>	1:500-1:1000
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### Data



Western blot detection of SQSTM1/p62 in A549,HL-60,U2OS cell lysates using SQSTM1/p62 Rabbit mAb(1:1000 diluted).Predicted band size:48kDa.Observed band size:62kDa.

**Observed-MW:62 kDa**

**Calculated-MW:48 kDa**

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

### Background

Sequestosome 1 (SQSTM1/p62) is a multifunctional adaptor protein implicated in selective autophagy,cell signaling pathways,and tumorigenesis. p62 has been implicated in shuttling ubiquitinated and sometimes aggregated proteins for autophagic degradation. As a autophagy-specific substrate,p62 is degraded during the autophagic process,which makes intracellular level of p62 as a marker for autophagy flux. p62 is at the cross-roads of several signaling pathways including Ras/ Raf/ MAPK and NFκB and plays important role in cancer. p62 is a component of inclusion bodies/ protein aggregates found in human diseases,including Huntington's disease,Alzheimer's disease,Parkinson's disease in the brain,and nephropathic cystinosis in kidney (22074114,22860231,22714671). The molecular weight of p62 is predicted as 48/ 38 kDa,while western blot analyses using this antibody demonstrate the major band around 60-62 kDa in various tissues.

### For Research Use Only