P62/SQSTM1 Polyclonal Antibody

catalog number: **E-AB-70325**

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

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant protein corresponding to Mouse P62
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000

Data



Western Blot analysis of various samples using P62/SQSTM1 Polyclonal Antibody at dilution of 1:1000.

Observed-MW:62 kDa

Calculated-MW:48 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	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.

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