SQSTM1 Polyclonal Antibody

catalog number: E-AB-19884

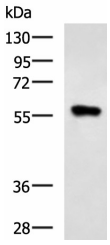
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Synthetic peptide of human SQSTM1
Host	Rabbit
Isotype	IgG
Purification	Antigen affinity purification
Conjugation	Unconjugated
buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-1:100

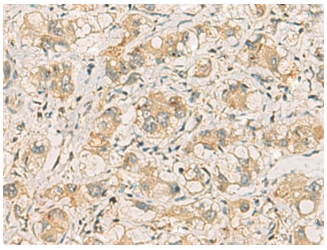
Data



Western blot analysis of Raji cell lysate using SQSTM1 Polyclonal Antibody at dilution of 1:900

Observed-MV:Refer to figures

Calculated-MV:48 kDa



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using SQSTM1 Polyclonal Antibody at dilution of 1:40(×200)

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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