

Basic Information

Product Name	Anti-P62/SQSTM1 Antibody (Clone#OTI1E9)	
Gene Name	SQSTM1	
Source	Mouse	
Clonality	Monoclonal	
Isotype	IgG2b	
Species Reactivity	human, mouse, rat, monkey	
Tested Application	WB, IHC, ICC/IF, FCM	
Contents	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.	
Immunogen	Full length human recombinant protein of human SQSTM1 (NP_003891) produced in HEK293T cell.	
Concentration	500 ug/ml	
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)	
Observed MW	42,62,72 kDa	
Dilution Ratios	Western blot (WB):	1:500~2000
	Immunohistochemistry (IHC):	1:150
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:100
	Flow cytometry (FCM):	1:100

Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

Background Information

This gene encodes a multifunctional protein that binds ubiquitin and regulates activation of the nuclear factor kappa-B (NF- κ B) signaling pathway. The protein functions as a scaffolding/adaptor protein in concert with TNF receptor-associated factor 6 to mediate activation of NF- κ 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. [provided by RefSeq, Mar 2009]

Selected Validation Data

Product datasheet
Anti-P62/SQSTM1 Antibody
(Clone#OT1E9)
Catalog Number: M00300-4

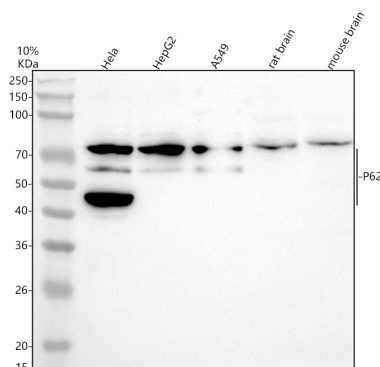
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Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Western blot analysis of anti-P62 antibody (M00300-4). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human HeLa whole cell lysates,

Lane 2: human HepG2 whole cell lysates,

Lane 3: human A549 whole cell lysates,

Lane 4: rat brain tissue lysates,

Lane 5: mouse brain tissue lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with mouse anti-P62 antigen

affinity purified monoclonal antibody (M00300-4) at a dilution of

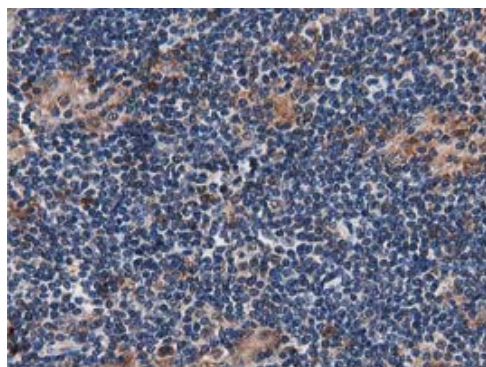
1:1000 and probed with a goat anti-mouse IgG-HRP secondary

antibody (Catalog # BA1050). The signal is developed using ECL Plus

Western Blotting Substrate (Catalog # AR1197). A specific band was

detected for P62 at approximately 42, 62, 72 kDa. The expected band

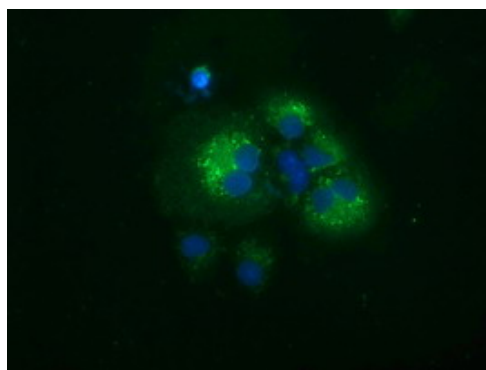
size for P62 is at 48 kDa.



Immunohistochemical staining of paraffin-embedded Human

lymphoma tissue using anti-SQSTM1 mouse monoclonal antibody.

(Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, M00300-4)



Anti-SQSTM1 mouse monoclonal antibody immunofluorescent

staining of COS7 cells transiently transfected by pCMV6-ENTRY

SQSTM1 .

Product datasheet

**Anti-P62/SQSTM1 Antibody
(Clone#OTI1E9)**

Catalog Number: M00300-4

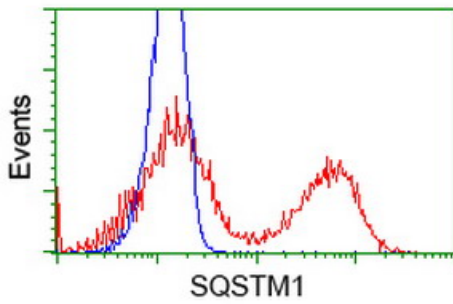
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HEK293T cells transfected with either overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-SQSTM1 antibody, and then analyzed by flow cytometry.