

Datasheet for ABIN682153
anti-SQSTM1 antibody (AA 51-150)

7 Images

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Overview

Quantity:	100 µL
Target:	SQSTM1
Binding Specificity:	AA 51-150
Reactivity:	Human, Mouse, Rat, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SQSTM1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SQSTM1/Ubiquitin-binding protein p62
Isotype:	IgG
Cross-Reactivity:	Cow, Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	SQSTM1
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Target Details

Alternative Name:	SQSTM1 (SQSTM1 Products)
Background:	<p>Synonyms: p60, p62, A170, OSIL, PDB3, ZIP3, p62B, Sequestosome-1, EBI3-associated protein of 60 kDa, EBIAP, Phosphotyrosine-independent ligand for the Lck SH2 domain of 62 kDa, Ubiquitin-binding protein p62, SQSTM1, ORCA</p> <p>Background: Autophagy receptor that interacts directly with both the cargo to become degraded and an autophagy modifier of the MAP1 LC3 family. Required both for the formation and autophagic degradation of polyubiquitin-containing bodies, called ALIS (aggresome-like induced structures) and links ALIS to the autophagic machinery. Involved in midbody ring degradation. May regulate the activation of NFKB1 by TNF-alpha, nerve growth factor (NGF) and interleukin-1. May play a role in titin/TTN downstream signaling in muscle cells. May regulate signaling cascades through ubiquitination. Adapter that mediates the interaction between TRAF6 and CYLD (By similarity). May be involved in cell differentiation, apoptosis, immune response and regulation of K(+) channels.</p>
Gene ID:	8878
UniProt:	Q13501
Pathways:	NF-kappaB Signaling , Neurotrophin Signaling Pathway , Autophagy

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

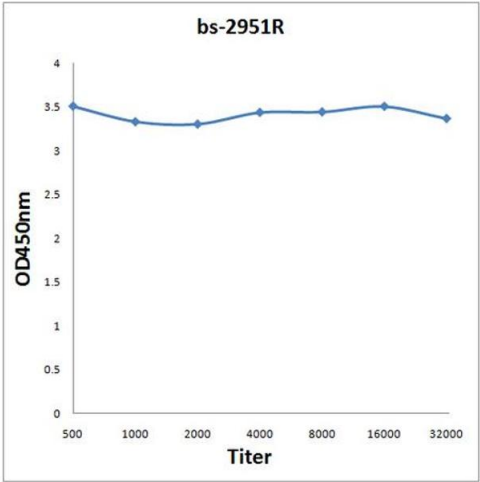
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

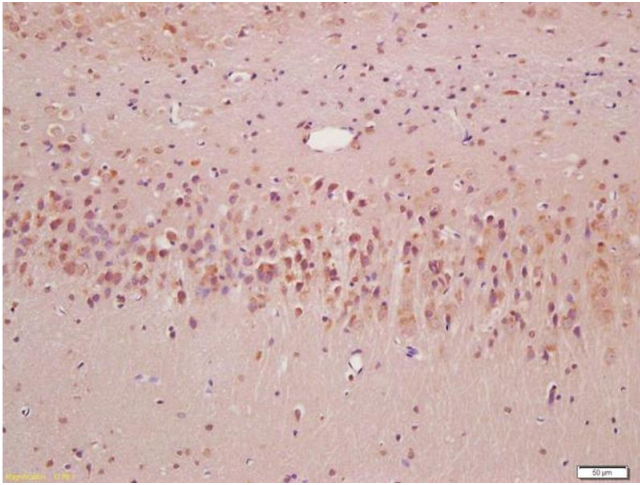
Publications

Product cited in:	<p>Kuo, Weng, Chang, Huang, Lin, Chuang, Lin, Liou, Tai, Lin, Wang: "Altered mitochondrial dynamics and response to insulin in cybrid cells harboring a diabetes-susceptible mitochondrial DNA haplogroup." in: Free radical biology & medicine, Vol. 96, pp. 116-29, (2016) (PubMed).</p> <p>Xia, Gao, Zhang, Wang, Zhao, Che, Ao, Yang, Wang, Lei: "Autophagy mediated by arginine depletion activation of the nutrient sensor GCN2 contributes to interferon-γ-induced malignant transformation of primary bovine mammary epithelial cells." in: Cell death discovery, Vol. 2, pp. 15065, (2016) (PubMed).</p> <p>Cui, Luo, Li, Li, Wang: "Changes of intracellular Ca²⁺ in quercetin-induced autophagy progression." in: Acta biochimica et biophysica Sinica, Vol. 47, Issue 11, pp. 908-14, (2015) (PubMed).</p> <p>Chen, Wei, Nie, Lin, Tian, Liu, Yu, Cheng, Yan, Wang, Liu, Deng, Lai, Zhou, Zhang, Lin, Chen: "Asarone prevents autophagy and synaptic loss by reducing ROCK expression in asenescence-accelerated prone 8 mice." in: Brain research, Vol. 1552, pp. 41-54, (2014) (PubMed).</p> <p>Wang, Gao, Yao, Xie: "Blocking autophagic flux enhances matrine-induced apoptosis in human hepatoma cells." in: International journal of molecular sciences, Vol. 14, Issue 12, pp. 23212-30, (2014) (PubMed).</p>
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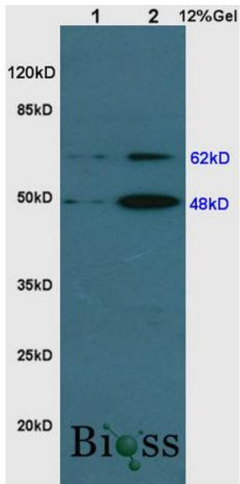
ELISA

Image 1. 0.2 µg/100 µL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000, Secondary: HRP conjugated Goat Anti-Rabbit IgG at 1: 5000, TMB staining, Read the data in Microplate Reader by 450 nm



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded rat brain labeled with Anti-SQSTM1 Polyclonal Antibody, Unconjugated (ABIN682153) at 1:200, followed by conjugation to the secondary antibody and DAB staining



SDS-PAGE

Image 3. L1 rat kidney lysates, L2 rat brain lysates probed : Anti-GDF9 (ABIN682153) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted and observed band size: 48kDa and 62kD

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN682153.