

Datasheet for ABIN522359

anti-SQSTM1 antibody (AA 1-440)

2 Images

4 Publications



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	SQSTM1
Binding Specificity:	AA 1-440
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SQSTM1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Mouse monoclonal antibody raised against a full-length recombinant SQSTM1.
Immunogen:	SQSTM1 (AAH03139.1, 1 a.a. ~ 440 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MASLTVKAYL LGKEDAAREI RRFSCCSPE PEAEAEAAAG PGP CERLLSR VAALFPALRP GGFQAHYRDE DGD L VAFSSD EELTMAMSYV KDDIFRIYIK EKKECRRDHR PPCAQEAPRN MVHPNVICDG CNGPVVGTRY KCSVCPDYDL CSVCEGKGLH RGHTKLAFPS PFGHLSEGFS HSRWLRKVKH GHFGWPGWEM GPPGNWSPRP PRAGEARPGP TAESASGPSE DPSVNFLKNV GESVAAALSP LGIEVDIDVE HGGKRSRLTP VSPESSSTEE KSSSQPSSCC SDPSKPGGNV EGATQSLAEQ MRKIALESEG RPEEQMESDN CSGGDDDWTH LSSKEVDPST GELQSLQMPE SEGPSSLDPS QEGPTGLKEA ALYPHLPPEA DPRLIESLSQ MLSMGFSDEG GWLTRLQTK NYDIGAALDT IQYSKHPPPL

Product Details

Clone:	1C9
Isotype:	IgG3
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	SQSTM1
Alternative Name:	SQSTM1 (SQSTM1 Products)
Background:	Full Gene Name: sequestosome 1 Synonyms: A170,OSIL,PDB3,ZIP3,p60,p62,p62B
Gene ID:	8878
Pathways:	NF-kappaB Signaling , Neurotrophin Signaling Pathway , Autophagy

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Publications

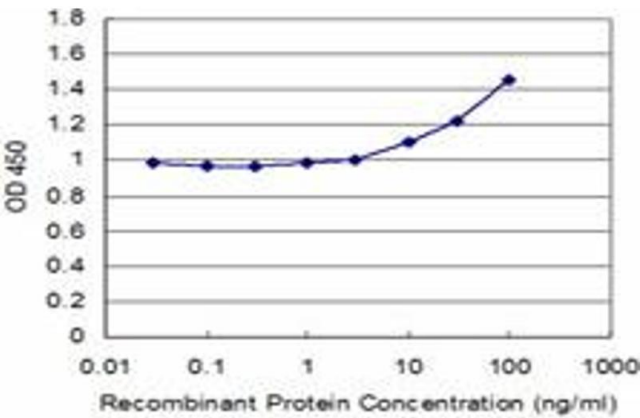
Product cited in:	Myeku, Clelland, Emrani, Kukushkin, Yu, Goldberg, Duff: "Tau-driven 26S proteasome impairment and cognitive dysfunction can be prevented early in disease by activating cAMP-PKA signaling." in: Nature medicine , Vol. 22, Issue 1, pp. 46-53, (2016) (PubMed).
	Notte, Ninane, Arnould, Michiels: "Hypoxia counteracts taxol-induced apoptosis in MDA-MB-231 breast cancer cells: role of autophagy and JNK activation." in: Cell death & disease , Vol. 4, pp.

e638, (2013) ([PubMed](#)).

Cosse, Rommelaere, Ninane, Arnould, Michiels: "BNIP3 protects HepG2 cells against etoposide-induced cell death under hypoxia by an autophagy-independent pathway." in: **Biochemical pharmacology**, Vol. 80, Issue 8, pp. 1160-9, (2010) ([PubMed](#)).

Kirkin, Lamark, Sou, Bjørkøy, Nunn, Bruun, Shvets, McEwan, Clausen, Wild, Bilusic, Theurillat, Øvervatn, Ishii, Elazar, Komatsu, Dikic, Johansen: "A role for NBR1 in autophagosomal degradation of ubiquitinated substrates." in: **Molecular cell**, Vol. 33, Issue 4, pp. 505-16, (2009) ([PubMed](#)).

Images



ELISA

Image 1. Detection limit for recombinant GST tagged SQSTM1 is approximately 3ng/ml as a capture antibody.



Western Blotting

Image 2. Western Blot detection against Immunogen (74.14 kDa) .