

Datasheet for ABIN1881829

anti-SQSTM1 antibody (C-Term)[Go to Product page](#)

1 Image

5 Publications

Overview

Quantity:	400 µL
Target:	SQSTM1
Binding Specificity:	AA 383-409, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SQSTM1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This SQSTM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 383-409 amino acids from the C-terminal region of human SQSTM1.
Clone:	RB41445
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SQSTM1
Alternative Name:	SQSTM1 (SQSTM1 Products)

Target Details

Background:	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.
Molecular Weight:	47687
NCBI Accession:	NP_001135770 , NP_001135771 , NP_003891
UniProt:	Q13501
Pathways:	NF-kappaB Signaling , Neurotrophin Signaling Pathway , Autophagy

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Expiry Date:	6 months

Publications

Product cited in:	Visconti, Langston, Alonso, Goodman, Selby, Fraser, Ralston: "Mutations of SQSTM1 are associated with severity and clinical outcome in paget disease of bone." in: Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research , Vol. 25, Issue 11, pp. 2368-73, (2010) (PubMed).
	Ding, Ni, Li, Liao, Chen, Stolz, Dorn, Yin: "Nix is critical to two distinct phases of mitophagy,

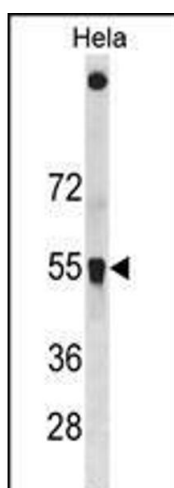
reactive oxygen species-mediated autophagy induction and Parkin-ubiquitin-p62-mediated mitochondrial priming." in: **The Journal of biological chemistry**, Vol. 285, Issue 36, pp. 27879-90, (2010) ([PubMed](#)).

Jain, Lamark, Sjøttem, Larsen, Awuh, Øvervatn, McMahon, Hayes, Johansen: "p62/SQSTM1 is a target gene for transcription factor NRF2 and creates a positive feedback loop by inducing antioxidant response element-driven gene transcription." in: **The Journal of biological chemistry**, Vol. 285, Issue 29, pp. 22576-91, (2010) ([PubMed](#)).

Lau, Wang, Zhao, Villeneuve, Wu, Jiang, Sun, White, Zhang: "A noncanonical mechanism of Nrf2 activation by autophagy deficiency: direct interaction between Keap1 and p62." in: **Molecular and cellular biology**, Vol. 30, Issue 13, pp. 3275-85, (2010) ([PubMed](#)).

Gao, Cao, Bao, Zuo, Xie, Cai, Fu, Zhang, Wu, Zhang, Chen: "Autophagy negatively regulates Wnt signalling by promoting Dishevelled degradation." in: **Nature cell biology**, Vol. 12, Issue 8, pp. 781-90, (2010) ([PubMed](#)).

Images



Western Blotting

Image 1. SQSTM1 Antibody (C-term) (ABIN1881829 and ABIN2838612) western blot analysis in HeLa cell line lysates (35 µg/lane). This demonstrates the SQSTM1 antibody detected the SQSTM1 protein (arrow).