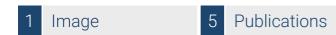


Datasheet for ABIN1881830

anti-SQSTM1 antibody (pSer207)





Go to Product page

_						
	1//	Д	rv	16	٦/	٨
U	W	\vdash	ΙV	Ιt	٦,	/V

Overview	
Quantity:	400 μL
Target:	SQSTM1
Binding Specificity:	pSer207
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SQSTM1 antibody is un-conjugated
Application:	Dot Blot (DB)
Product Details	
Immunogen:	This SQSTM1 Antibody is generated from rabbits immunized with a KLH conjugated synthetic
	phosphopeptide corresponding to amino acid residues surrounding S207 of human SQSTM1.
Clone:	RB40754
Isotype:	lg Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	
Target:	SQSTM1
Alternative Name:	SQSTM1 (SQSTM1 Products)
Background:	This gene encodes a multifunctional protein that binds ubiquitin and regulates activation of the

nuclear factor kappa-B (NF-kB) signaling pathway. The protein functions as a
scaffolding/adaptor protein in concert with TNF receptor-associated factor 6 to mediate
activation of NF-kB 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:	DB: 1:500
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



Dot Blot

Image 1. Dot blot analysis of SQSTM1 Antibody (Phospho) Phospho-specific Pab (ABIN1881830 and ABIN2839913) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6 μg per ml.