

Datasheet for ABIN3043937

anti-SQSTM1 antibody (N-Term)

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Overview

Quantity:	100 µg
Target:	SQSTM1
Binding Specificity:	AA 69-96, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Sequestosome-1(SQSTM1) detection. Tested with WB, IHC-P, IHC-F in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human SQSTM1/p62 (69-96aa DEDGDLVAFSSDEELTMAMSYVKDDIFR), identical to the related mouse and rat sequences.
Sequence:	DEDGDLVAFS SDEELTMAMS YVKDDIFR
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Sequestosome-1(SQSTM1) detection. Tested with WB, IHC-P, IHC-F in Human,Mouse,Rat. Gene Name: sequestosome 1

Product Details

Protein Name: Sequestosome-1

Purification: Immunogen affinity purified.

Target Details

Target: SQSTM1

Alternative Name: SQSTM1 ([SQSTM1 Products](#))

Background: SQSTM1(Sequestosome-1), also known as Ubiquitin-Binding Protein P62 or P62, is a protein that in humans is encoded by the SQSTM1 gene. The Src homology type 2 (SH2) domain is a highly conserved motif of about 100 amino acids which mediates protein-protein interactions by binding to phosphotyrosine.p56-lck, a T-cell-specific src family tyrosine kinase with an SH2 domain, is involved in T-cell signal transduction. The International Radiation Hybrid Mapping Consortium mapped the p62 gene to chromosome 5q35. Park et al. (1995) found that the p56-lck SH2 domain binds to p62 at the ser59 of p62 only when that serine is phosphorylated. Joung et al. (1996) expressed epitope-tagged p62 in Hela cells and showed that the expressed protein bound to the lck SH2 domain and that this binding was dependent on the N-terminal 50 amino acids of p62 but not on the tyrosine residue in this region.

Synonyms: A170 antibody|EBI 3 associated protein of 60 kDa antibody|EBI 3 associated protein p60 antibody|EBI3 associated protein of 60 kDa antibody|EBI3 associated protein p60 antibody|EBI3-associated protein of 60 kDa antibody|EBIAP antibody|MGC127197 antibody|ORCA antibody| OSF-6 antibody|Osi antibody|OSIL antibody|Oxidative stress induced like antibody|p60 antibody|p62 antibody|p62B antibody|Paget disease of bone 3 antibody|PDB 3 antibody|PDB3 antibody|Phosphotyrosine independent ligand for the Lck SH2 domain of 62 kDa antibody|Phosphotyrosine independent ligand for the Lck SH2 domain p62 antibody|Phosphotyrosine-independent ligand for the Lck SH2 domain of 62 kDa antibody|PKC-zeta-interacting protein antibody|Protein kinase C-zeta-interacting protein antibody|Sequestosome 1 antibody|Sequestosome-1 antibody|SQSTM 1 antibody|SQSTM_HUMAN antibody|Sqstm1 antibody|STAP antibody|STONE14 antibody|Ubiquitin binding protein p62 antibody|Ubiquitin-binding protein p62 antibody|ZIP 3 antibody|ZIP antibody|ZIP3 antibody

Gene ID: 8878

UniProt: [Q13501](#)

Pathways: [NF-kappaB Signaling](#), [Neurotrophin Signaling Pathway](#), [Autophagy](#)

Application Details

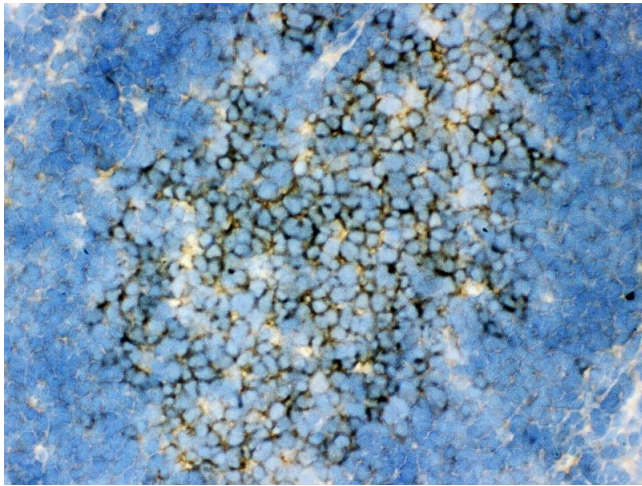
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for SQSTM1/p62 is approximately 0.1 ng/lane under reducing conditions. IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. IHC-F: Concentration: 0.5-1 µg/mL, Tested Species: Mouse, Rat Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and IHC(F).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

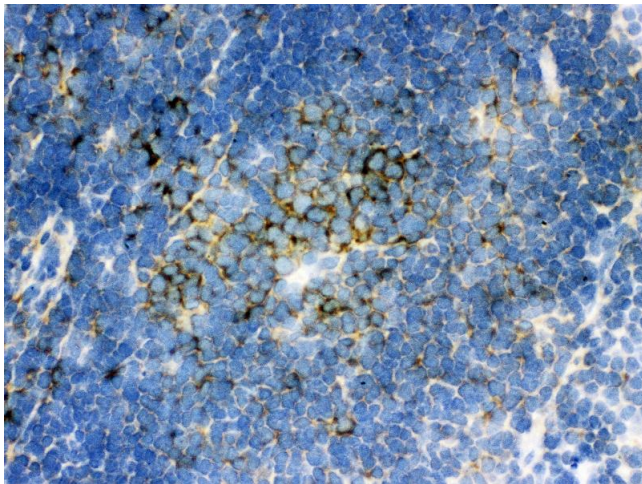
Publications

Product cited in:	Liu, Chen, Wang, Yang, Xue, Zhu: "Msi1 confers resistance to TRAIL by activating ERK in liver cancer cells." in: FEBS letters , Vol. 589, Issue 8, pp. 897-903, (2015) (PubMed).
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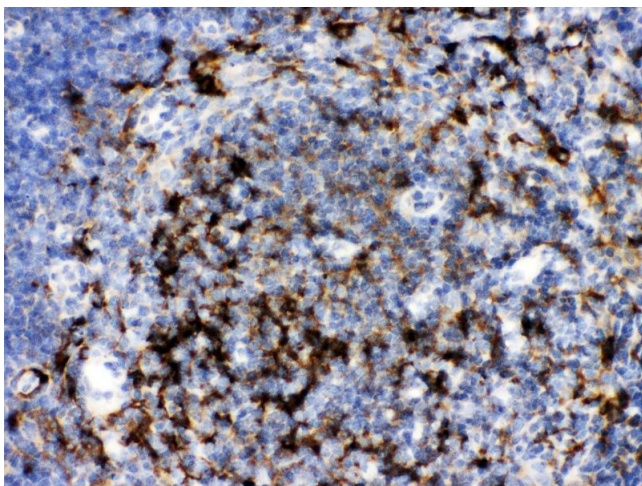
Immunohistochemistry

Image 1. Anti- SQSTM1 Picoband antibody,IHC(F) IHC(F):
Rat Spleen Tissue



Immunohistochemistry

Image 2. Anti- SQSTM1 Picoband antibody,IHC(F) IHC(F):
Mouse Spleen Tissue



Immunohistochemistry

Image 3. Anti- SQSTM1 Picoband antibody,IHC(P) IHC(P):
Mouse Thymus Tissue

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3043937.