

bs-2951R**[Primary Antibody]****SQSTM1/P62 Rabbit pAb****BioSS**
ANTIBODIES

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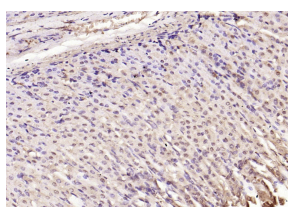
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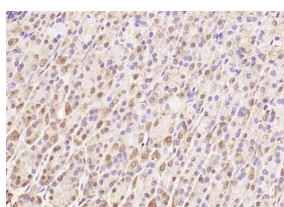
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— DATASHEET —

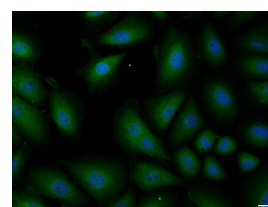
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|---|----------------------|---|
| Host: Rabbit | Isotype: IgG | Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100) Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Dog, Horse) Predicted MW.: 60 kDa Subcellular Location: Cytoplasm ,Nucleus |
| Clonality: Polyclonal | | |
| GeneID: 8878 | SWISS: Q13501 | |
| Target: SQSTM1/P62 | | |
| Immunogen: KLH conjugated synthetic peptide derived from human SQSTM1/p62: 51-150/440. | | |
| Purification: affinity purified by Protein A | | |
| Concentration: 1mg/ml | | |
| Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. | | |
| Background: This gene encodes a multifunctional protein that binds ubiquitin and regulates activation of the nuclear factor kappa-B (NF-κB) signaling pathway. The protein functions as a scaffolding/adaptor protein in concert with TNF receptor-associated factor 6 to mediate activation of NF-κB 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. [provided by RefSeq, Mar 2009] | | |

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (mouse stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SQSTM1 P62) Polyclonal Antibody, Unconjugated (bs-2951R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SQSTM1 P62) Polyclonal Antibody, Unconjugated (bs-2951R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (SQSTM1/P62) polyclonal Antibody, Unconjugated (bs-2951R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

— SELECTED CITATIONS —

- **[IF=15.2]** Lovren, Fina, et al. "MicroRNA-145 Targeted Therapy Reduces Atherosclerosis." Circulation 126.11 suppl 1 (2012): S81-S90. IHC ;="Mouse". 22965997
- **[IF=10.7]** Wenying Sun. et al. BPA and low-Se exacerbate apoptosis and mitophagy in chicken pancreatic cells by

regulating the PTEN/PI3K/AKT/mTOR pathway. J ADV RES. 2024 Feb;; IF ;Chicken. 38311007

- **[IF=7.086]** Quan-Kuo He. et al. Captan exposure disrupts ovarian homeostasis and affects oocytes quality via mitochondrial dysfunction induced apoptosis. Chemosphere. 2022 Jan;286:131625 Other ;Mouse. 34303901
- **[IF=6.8]** Huan Deng. et al. Low selenium and T-2 toxin may be involved in the pathogenesis of Kashin-Beck disease by affecting AMPK/mTOR/ULK1 pathway mediated autophagy. ECOTOX ENVIRON SAFE. 2024 Jul;279:116503 WB ;Rat. 38810288
- **[IF=6.208]** Xiudan Han. et al. Placental Mesenchymal Stem Cells Alleviate Podocyte Injury in Diabetic Kidney Disease by Modulating Mitophagy via the SIRT1-PGC-1alpha-TFAM Pathway. INT J MOL SCI. 2023 Jan;24(5):4696 IHC ;Rat. 36902127