

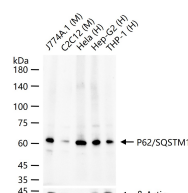
bs-55207R**[Primary Antibody]****SQSTM1 | p62 Rabbit pAb****Bioss**
ANTIBODIES

www.bioss.com.cn

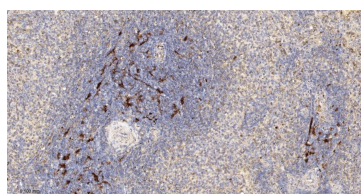
sales@bioss.com.cn

techsupport@bioss.com.cn

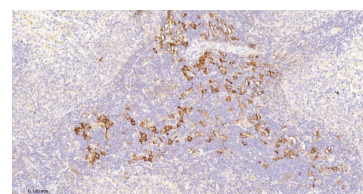
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 8878**SWISS:** Q13501**Target:** SQSTM1 | p62**Immunogen:** Recombinant human SQSTM1/p62: 1-440.**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]**Applications:** **WB** (1:1000-5000)**IHC-P** (1:200-1000)**IHC-F** (1:200-1000)**IF** (1:200-1000)**Flow-Cyt** (1:100-200)**ICC/IF** (1:100-500)**ELISA** (1:5000-10000)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 38/47 kDa**Observed MW.:** 62 kDa**Subcellular Location:** Cytoplasm ,Nucleus**— VALIDATION IMAGES —**

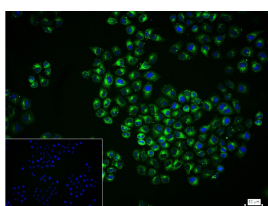
25 ug total protein per lane of various lysates (see on figure) probed with P62/SQSTM1 polyclonal antibody, unconjugated (bs-55207R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



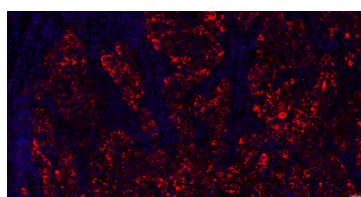
Paraformaldehyde-fixed, paraffin embedded Human Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with SQSTM1/p62 Monoclonal Antibody, Unconjugated (bs-55207R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



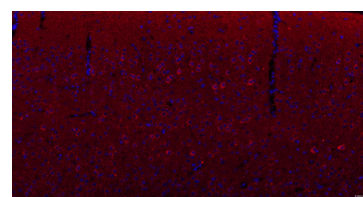
Paraformaldehyde-fixed, paraffin embedded Rat Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with SQSTM1/p62 Monoclonal Antibody, Unconjugated (bs-55207R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



4% Paraformaldehyde-fixed Hela (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (P62/SQSTM1) polyclonal Antibody, unconjugated (bs-55207R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG



Paraformaldehyde-fixed, paraffin embedded Human Gastric Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with SQSTM1/p62 Monoclonal Antibody,



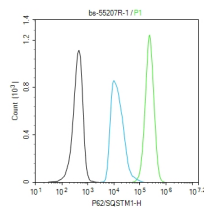
Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with SQSTM1/p62 Monoclonal Antibody, Unconjugated

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

antibody (green, bs-60295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

Unconjugated (bs-55207R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, bs-0295G-BF594), DAPI (blue, C02-04002) was used to stain the cell nuclei.

(bs-55207R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, bs-0295G-BF594), DAPI (blue, C02-04002) was used to stain the cell nuclei.



The HeLa (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.). Primary Antibody (green): Rabbit Anti-P62/SQSTM1 antibody (bs-55207R, 1:100); Secondary Antibody (white blue): Goat anti-Rabbit IgG-BF488 (bs-60295G-BF488): 1 µg/test. Blank control (black): PBS. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=18]** Zetao Wang. et al. Nano-vibration exciter: Hypoxia-inducible factor 1 signaling pathway-mediated extracellular vesicles as bioactive glass substitutes for bone regeneration. BIOACT MATER. 2024 Oct;40:460 WB ;Mouse. 10.1016/j.bioactmat.2024.06.023
- **[IF=14.5]** Huijuan Zhang. et al. In situ autophagy regulation in synergy with phototherapy for breast cancer treatment. ACTA PHARM SIN B. 2023 Nov;: WB ;Mouse. 10.1016/j.apsb.2023.11.019
- **[IF=14.3]** Yangfei Zhao. et al. α-Lipoic Acid Ameliorates Arsenic-Induced Lipid Disorders by Promoting Peroxisomal β-Oxidation and Reducing Lipophagy in Chicken Hepatocyte..Advanced Science.2025 Jan 30:e2413255. Western blot ;Chicken. 39887668
- **[IF=10.6]** Xu Jinhao. et al. Adipose-derived stem cell exosomes attenuates myofibroblast transformation via inhibiting autophagy through TGF-β/Smad2 axis in oral submucosal fibrosis. J NANOBIOTECHNOL. 2024 Dec;22(1):1-17 IHC ;Human. 39702233
- **[IF=7.5]** Zhao Mengyan. et al. Targeting the PINK1/Parkin-FNDC5 pathway: a novel mechanism of icariin in regulating muscle-bone metabolic coupling in osteosarcopenia. J TRANSL MED. 2026 Dec;24(1):389 WB ;Mouse. 10.1186/s12967-026-08017-0