

Product datasheet for **TA381980**

SQSTM1 Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | ICC/IF, IHC, IP, WB |
| Recommended Dilution: | WB,1:500 - 1:2000 IHC,1:50 - 1:200 IF,1:50 - 1:200 IP,1:50 - 1:200 |
| Reactivity: | Human, Rat |
| Modifications: | Unmodified |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 1-440 of human SQSTM1/p62 (NP_001135770.1). |
| Formulation: | Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3. |
| Concentration: | lot specific |
| Purification: | Affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C. Avoid freeze / thaw cycles. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | 38kDa/47kDa |
| Gene Name: | sequestosome 1 |
| Database Link: | Entrez Gene 8878 Human Q13501 |



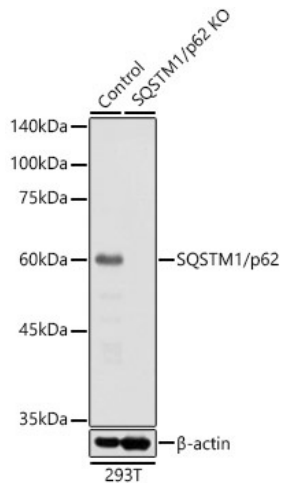
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Background:

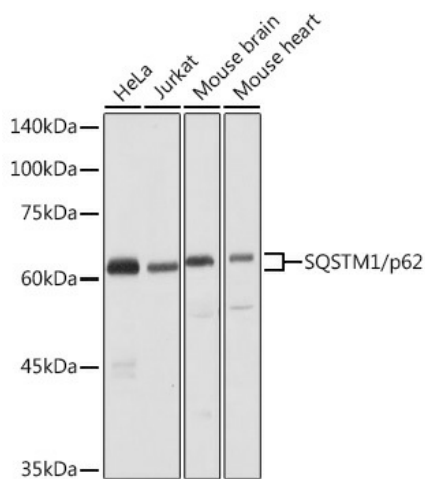
This gene encodes a multifunctional protein that binds ubiquitin and regulates activation of the nuclear factor kappa-B (NF- κ B) signaling pathway. The protein functions as a scaffolding/adaptor protein in concert with TNF receptor-associated factor 6 to mediate activation of NF- κ B in response to 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.

Synonyms:

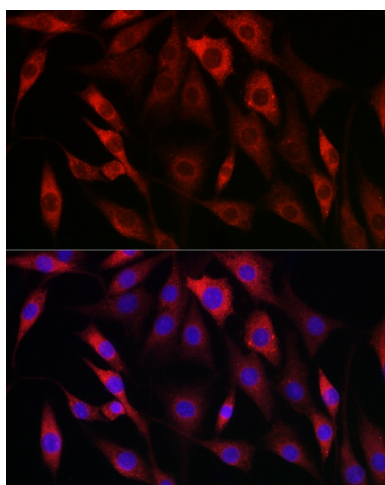
A170; EBIAP; ORCA; OSIL; p60; p62; p62B; PDB3; ZIP3

Product images:


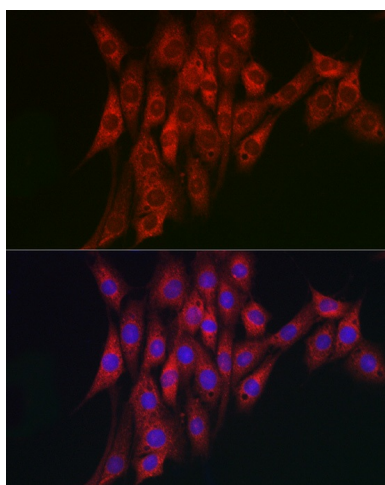
Western blot analysis of extracts from normal (control) and SQSTM1/p62 knockout (KO) 293T cells, using SQSTM1/p62 antibody (TA381980) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 10s.



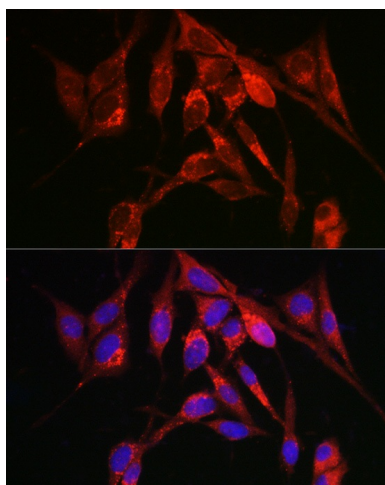
Western blot analysis of extracts of various cell lines, using SQSTM1/p62 antibody (TA381980) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 10s.



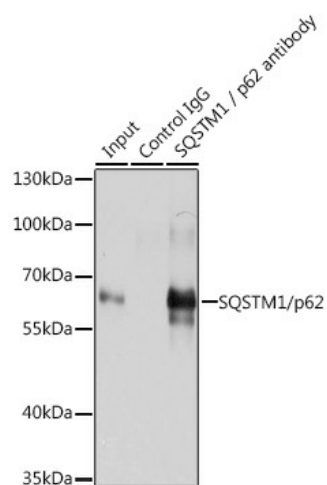
Immunofluorescence analysis of NIH/3T3 cells using SQSTM1/p62 Rabbit pAb (TA381980) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using SQSTM1/p62 Rabbit pAb (TA381980) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using SQSTM1/p62 Rabbit pAb (TA381980) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200ug extracts of C6 cells using 3ug SQSTM1/p62 antibody (TA381980). Western blot was performed from the immunoprecipitate using SQSTM1/p62 antibody (TA381980) at a dilution of 1:1000.