

# Product Datasheet

## p62/SQSTM1 Antibody (2533B) - BSA Free NBP2-92995

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-92995**

p62/SQSTM1 Antibody (2533B) - BSA Free

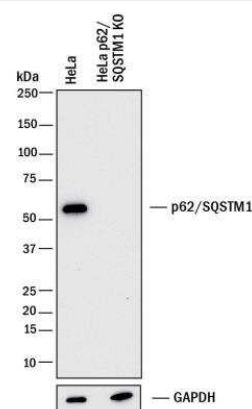
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2533B
Preservative	0.02% Sodium Azide
Purity	Protein A or G purified
Buffer	PBS

Product Description	
Host	Rabbit
Gene ID	8878
Gene Symbol	SQSTM1
Species	Human
Immunogen	Partial recombinant human p62/SQSTM1 protein produced in E. coli (amino acids 368-440) [UniProt Q13501]

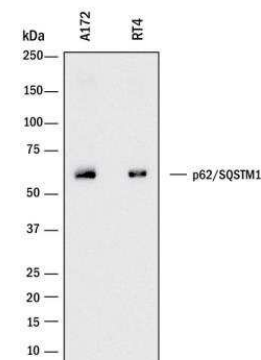
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
Recommended Dilutions	Western Blot 1 ug/ml, Simple Western 20 ug/ml, Immunohistochemistry 8-25 ug/ml, Immunocytochemistry/ Immunofluorescence 8-25 ug/ml, Immunohistochemistry-Paraffin 8-25 ug/ml, Knockout Validated

**Images**

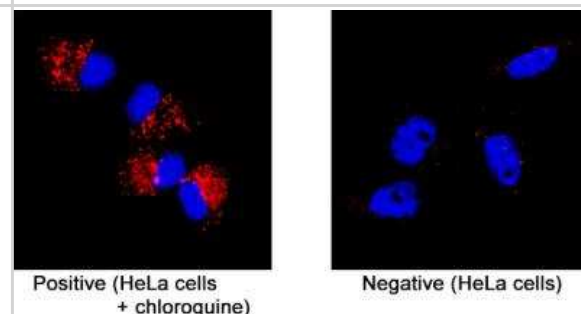
Western Blot: p62/SQSTM1 Antibody (2533B) [NBP2-92995] - Western blot shows lysates of HeLa human cervical epithelial carcinoma parental cell line and p62/SQSTM1 knockout HeLa cell line (KO). PVDF membrane was probed with 1 ug/mL of Rabbit Anti-Human p62/SQSTM1 Monoclonal Antibody (Catalog # NBP2-92995) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band was detected for p62/SQSTM1 at approximately 60 kDa (as indicated) in the parental HeLa cell line, but is not detectable in knockout HeLa cell line. GAPDH (Catalog # 2275-PC-100) is shown as a loading control. This experiment was conducted under reducing conditions.



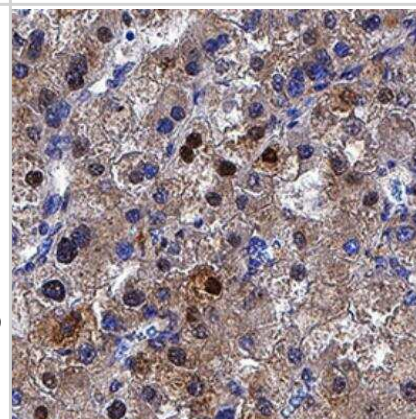
**Western Blot: p62/SQSTM1 Antibody (2533B) [NBP2-92995]** - Western blot shows lysates of A172 human glioblastoma cell line and RT-4 human bladder carcinoma cell line. PVDF membrane was probed with 1 ug/mL of Rabbit Anti-Human p62/SQSTM1 Monoclonal Antibody (Catalog # NBP2-92995) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band was detected for p62/SQSTM1 at approximately 60 kDa (as indicated). This experiment was conducted under reducing conditions.



**Immunocytochemistry/Immunofluorescence: p62/SQSTM1 Antibody (2533B) [NBP2-92995]** - p62/SQSTM1 was detected in immersion fixed HeLa human cervical epithelial carcinoma cell line treated with chloroquine (left) or untreated (right) using Rabbit Anti-Human p62/SQSTM1 Monoclonal Antibody (Catalog # NBP2-92995) at 8 ug/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Rabbit IgG Secondary Antibody (red; Catalog # NL004) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm.



**Immunohistochemistry-Paraffin: p62/SQSTM1 Antibody (2533B) [NBP2-92995]** - p62/SQSTM1 was detected in immersion fixed paraffin-embedded sections of human liver using Rabbit Anti-Human p62/SQSTM1 Monoclonal Antibody (Catalog #NBP2-92995) at 10 ug/mL for 1 hour at room temperature followed by incubation with the Anti-Rabbit IgG VisUCyte™ HRP Polymer Antibody (Catalog # VC003). Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to cell nuclei.



**Simple Western: p62/SQSTM1 Antibody (2533B) [NBP2-92995]** - Simple Western lane view shows lysates of RT-4 human bladder carcinoma cell line, loaded at 0.2 mg/mL. A specific band was detected for p62/SQSTM1 at approximately 64 kDa (as indicated) using 20 ug/mL of Rabbit Anti-Human p62/SQSTM1 Monoclonal Antibody (Catalog # NBP2-92995). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.





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### **Products Related to NBP2-92995**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP1-44490	Recombinant Human p62/SQSTM1 His Protein
210-TA-005	TNF-alpha [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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