

# Product Datasheet

## **p62/SQSTM1 Antibody (5H7E2) NBP2-23490SS**

Unit Size: 0.025 ml

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

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**NBP2-23490SS**

p62/SQSTM1 Antibody (5H7E2)

**Product Information**

<b>Unit Size</b>	0.025 ml
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	5H7E2
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Ammonium sulfate precipitation
<b>Buffer</b>	PBS, 0.5% protein stabilizer

**Product Description**

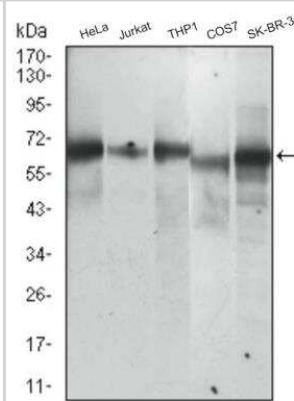
<b>Host</b>	Mouse
<b>Gene ID</b>	8878
<b>Gene Symbol</b>	SQSTM1
<b>Species</b>	Human, Primate
<b>Immunogen</b>	Partial recombinant human p62/SQSTM1 (between residues 100-400) expressed in E. coli [UniProt Q13501]

**Product Application Details**

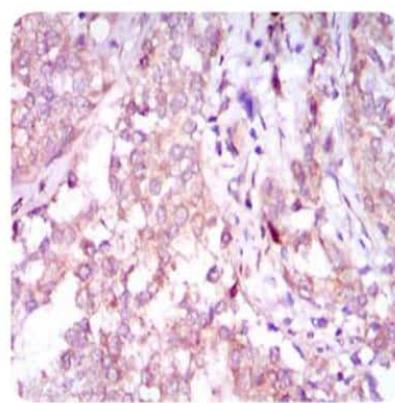
<b>Applications</b>	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500 - 1:2000, Flow Cytometry 1:200 - 1:400, ELISA 1:10000, Immunohistochemistry 1:200 - 1:1000, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:200 - 1:1000

**Images**

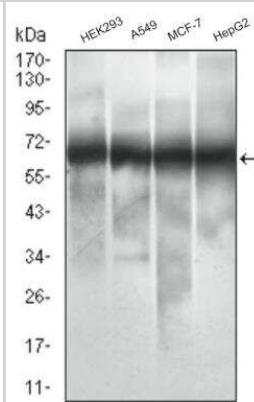
Western Blot: p62/SQSTM1 Antibody (5H7E2) [NBP2-23490] - Detection of p62 protein in lysates of HeLa, Jurkat, THP-1, COS7, and SK-BR-3 cell lines using p62/SQSTM1 antibody clone 5H7E2. The antibody detected a specific band of p62 at ~62kDa position.



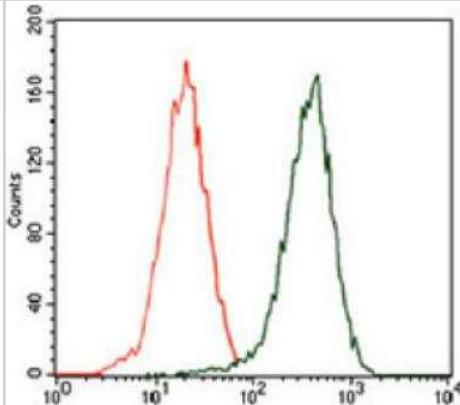
Immunohistochemistry: p62/SQSTM1 Antibody (5H7E2) [NBP2-23490] - Analysis of paraffin-embedded bladder cancer tissues using SQSTM1 mouse mAb with DAB staining.



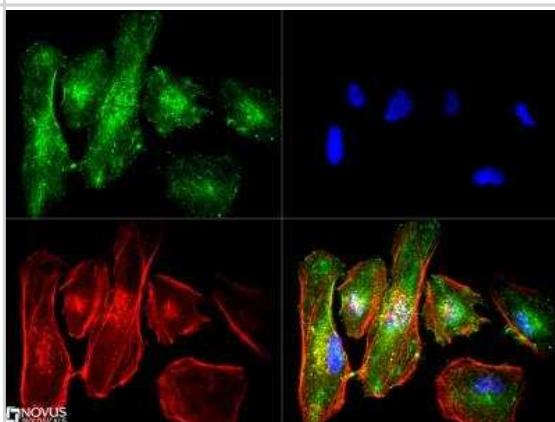
Western Blot: p62/SQSTM1 Antibody (5H7E2) [NBP2-23490] - Analysis of p62 protein in lysates of HEK293, A549, MCF-7, and HepG2 cell lines using p62/SQSTM1 antibody clone 5H7E2. The antibody detected a specific band at ~62kDa position.



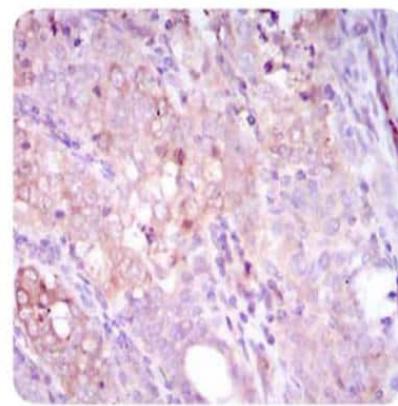
Flow Cytometry: p62/SQSTM1 Antibody (5H7E2) [NBP2-23490] - Analysis of HEK293 cells using SQSTM1 mouse mAb (green) and negative control (red).



Immunohistochemistry: p62/SQSTM1 Antibody (5H7E2) [NBP2-23490] - Antibody was tested in HeLa cells with DyLight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and DyLight 550 (red).



Immunohistochemistry: p62/SQSTM1 Antibody (5H7E2) [NBP2-23490] - Analysis of paraffin-embedded human cervical cancer tissues using p62/SQSTM1 mouse mAb with DAB staining.



## Publications

Despotovic A, Mircic A, Misirlic-Dencic S et al. Combination of Ascorbic Acid and Menadione Induces Cytotoxic Autophagy in Human Glioblastoma Cells *Oxidative Medicine and Cellular Longevity* 2022-03-23 [PMID: 35368869] (WB, Human)

Radovanovic M, Vidicevic S, Tasic J et al. Role of AMPK/mTOR-independent autophagy in clear cell renal cell carcinoma *J Investig Med* 2020-10-21 [PMID: 33087428]

Trejo-Lopez JA, Sorrentino ZA, Riffe CJ et al. Generation and Characterization of Novel Monoclonal Antibodies Targeting p62/sequestosome-1 Across Human Neurodegenerative Diseases *J. Neuropathol. Exp. Neurol.* 2020-04-01 [PMID: 32106300]

Brewer GJ, Herrera RA, Philipp S et al. Age-Related Intraneuronal Aggregation of Amyloid beta in Endosomes, Mitochondria, Autophagosomes, and Lysosomes *J. Alzheimers Dis.* 2019-11-18 [PMID: 31771065] (ICC/IF)

Chen YM, Chang CY, Chen HH et al. Association between autophagy and inflammation in patients with rheumatoid arthritis receiving biologic therapy *Arthritis Res. Ther.* 2018-12-05 [PMID: 30518408] (FLOW, Human)

Hsieh CW, Chang CY, Chen YM, Chen HH. Impaired autophagic flux and its related inflammation in patients with adult-onset Still's disease. *Oncotarget*. 2018-01-02 [PMID: 29416600] (FLOW, Human)

Shen P, Chen M, He M et al. Inhibition of ER $\alpha$ /ERK/P62 cascades induces autophagic switch in the estrogen receptor-positive breast cancer cells exposed to gemcitabine *Oncotarget* 2016-07-26 [PMID: 27384485] (WB, Human)



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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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