

Product Datasheet

p62/SQSTM1 Antibody (5H7E2)

NBP2-23490

Unit Size: 0.1 ml

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

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Product Information

Unit Size	0.1 ml
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	5H7E2
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Ammonium sulfate precipitation
Buffer	PBS, 0.5% protein stabilizer

Product Description

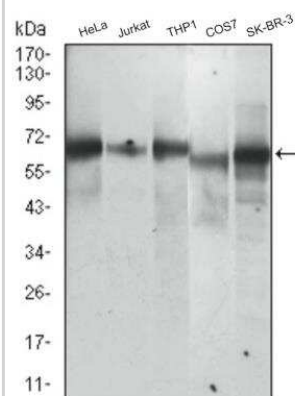
Host	Mouse
Gene ID	8878
Gene Symbol	SQSTM1
Species	Human, Primate
Immunogen	Partial recombinant human p62/SQSTM1 (between residues 100-400) expressed in E. coli [UniProt Q13501]

Product Application Details

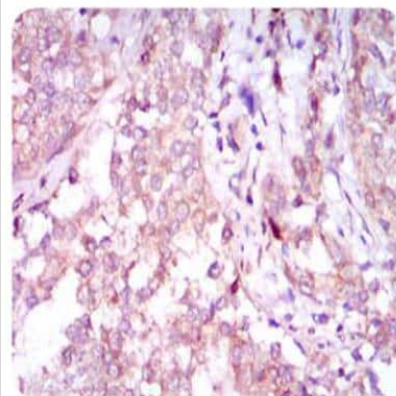
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500 - 1:2000, Flow Cytometry 1:200 - 1:400, ELISA 1:10000, Immunohistochemistry 1:200 - 1:1000, Immunocytochemistry/Immunofluorescence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

Images

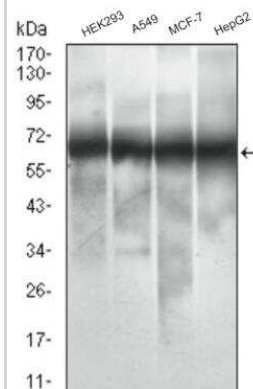
Western Blot: p62/SQSTM1 Antibody (5H7E2) [NBP2-23490] - Detection of p62 protein in lysates of HeLa, Jurkat, THP-1, COS7, and SK-BR-3 cell lines using p62/SQSTM1 antibody clone 5H7E2. The antibody detected a specific band of p62 at ~62kDa position.



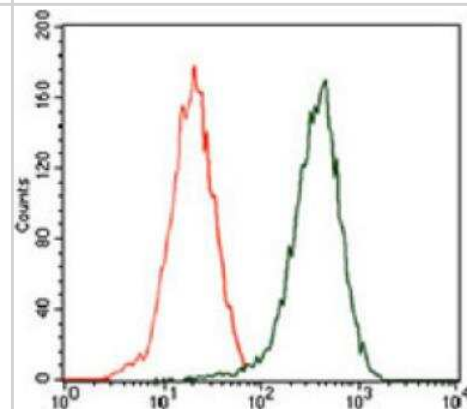
Immunohistochemistry: p62/SQSTM1 Antibody (5H7E2) [NBP2-23490] - Analysis of paraffin-embedded bladder cancer tissues using SQSTM1 mouse mAb with DAB staining.



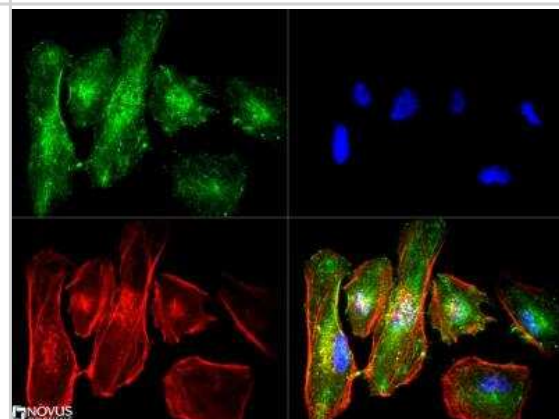
Western Blot: p62/SQSTM1 Antibody (5H7E2) [NBP2-23490] - Analysis of p62 protein in lysates of HEK293, A549, MCF-7, and HepG2 cell lines using p62/SQSTM1 antibody clone 5H7E2. The antibody detected a specific band at ~62kDa position.



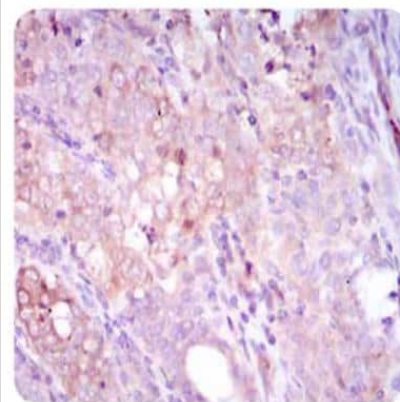
Flow Cytometry: p62/SQSTM1 Antibody (5H7E2) [NBP2-23490] - Analysis of HEK293 cells using SQSTM1 mouse mAb (green) and negative control (red).



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 ERα/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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