Product Datasheet

MTUS1 Antibody (1C7) - Azide and BSA Free
H00057509-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Publications: 8

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H00057509-M01

MTUS1 Antibody (1C7) - Azide and BSA Free

Product Information

Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1C7
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

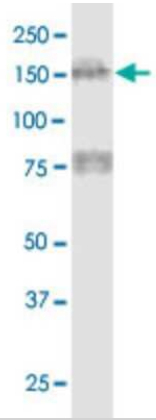
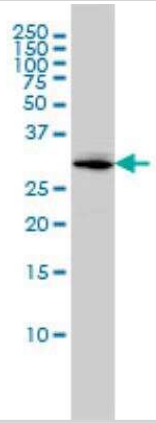
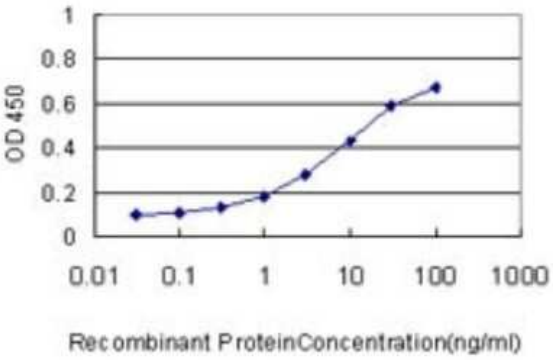
Product Description

Description	Novus Biologicals Mouse MTUS1 Antibody (1C7) - Azide and BSA Free (H00057509-M01) is a monoclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-MTUS1 Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	57509
Gene Symbol	MTUS1
Species	Human, Mouse
Reactivity Notes	Human. Other species not tested.
Specificity/Sensitivity	MTUS1 - mitochondrial tumor suppressor 1
Immunogen	MTUS1 (AAH33842, 1 a.a. ~ 240 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MQLQEQFDNLNAAHETSKLEIEASHSEKLELLTKAYEASLSEIKKGHEIEKKSLE DLLSEKQESLEKQINDLKSENDALNEKLKSEEQKRRAREKANLKNPQIMYLEQE LESLKAVLEIKNEKLHQQDIKLMKMGKLVDNNTALVDKLKRFQQENEELKARMD KHMAISRQLSTEQAVLQESLEKESKVNKRLSMENEELLWKLHNGDLCSPKRSP TSSAIPLQSPRNSGSFPSPSISPR
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details

Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Sandwich ELISA
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Sandwich ELISA
Application Notes	Antibody reactive against cell lysate and recombinant protein for western blot. It has also been used for ELISA.

Images

Western Blot: MTUS1 Antibody (1C7) [H00057509-M01] - MTUS1 monoclonal antibody (M01), clone 1C7. Analysis of MTUS1 expression in human ovarian cancer.	
Western Blot: MTUS1 Antibody (1C7) [H00057509-M01] - Western Blot analysis of MTUS1 expression in K-562 (Cat # L009V1).	
Sandwich ELISA: MTUS1 Antibody (1C7) [H00057509-M01] - Detection limit for recombinant GST tagged MTUS1 is approximately 0.3ng/ml as a capture antibody.	

Publications

Rodrigues-Ferreira S, Nehlig A, Monchecourt C et al. Combinatorial expression of microtubule-associated EB1 and ATIP3 biomarkers improves breast cancer prognosis. Breast Cancer Res Treat. 2018-10-27 [PMID: 30368744]

Zhao T, He Q, Liu Z et al. Angiotensin II type 2 receptor-interacting protein 3a suppresses proliferation, migration and invasion in tongue squamous cell carcinoma via the extracellular signal-regulated kinase-Snai2 pathway. Oncol Lett. 2015-11-10 [PMID: 26870214]

Melcher R, Hartmann E, Zopf W et al. LOH and copy neutral LOH (cnLOH) act as alternative mechanism in sporadic colorectal cancers with chromosomal and microsatellite instability. Carcinogenesis. 2011-02-04 [PMID: 21297112]

Ding X, Zhang N, Cai Y et al. Down-regulation of tumor suppressor MTUS1/ATIP is associated with enhanced proliferation, poor differentiation and poor prognosis in oral tongue squamous cell carcinoma. Mol Oncol. 2011-11-18 [PMID: 22153618]

Guimond MO, Battista MC, Nikjouitavabi F et al. Expression and role of the angiotensin II AT2 receptor in human prostate tissue: In search of a new therapeutic option for prostate cancer. Prostate. 2013-02-06 [PMID: 23389987]

Shinoda K, Luijten IH, Hasegawa Y et al. Genetic and functional characterization of clonally derived adult human brown adipocytes. Nat Med. 2015-03-16 [PMID: 25774848]

Rogler Anja, Hoja Sabine, Giedl Johannes et al. Loss of MTUS1/ATIP expression is associated with adverse outcome in advanced bladder carcinomas: data from a retrospective study. BMC Cancer. 2014-03-20 [PMID: 24650297] (WB, Human)

Rodrigues-Ferreira S, Di Tommaso A, Dimitrov A et al. 8p22 MTUS1 gene product ATIP3 is a novel anti-mitotic protein underexpressed in invasive breast carcinoma of poor prognosis. PLoS One 4(10):e7239. 2009-10-01 [PMID: 19794912]

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Products Related to H00057509-M01

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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