

USP52 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant USP52.****Catalog # AT4496a****Specification**

USP52 Antibody (monoclonal) (M01) - Product Information

Application	WB, IF
Primary Accession	Q504Q3
Other Accession	NM_014871
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	135368

USP52 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 9924**Other Names**

PAB-dependent poly(A)-specific ribonuclease subunit PAN2 {ECO:0000255|HAMAP-Rule:MF_03182}, hPan2, 31134 {ECO:0000255|HAMAP-Rule:MF_03182}, Inactive ubiquitin carboxyl-terminal hydrolase 52 {ECO:0000255|HAMAP-Rule:MF_03182}, PAB1P-dependent poly(A)-nuclease {ECO:0000255|HAMAP-Rule:MF_03182}, PAN deadenylation complex catalytic subunit 2 {ECO:0000255|HAMAP-Rule:MF_03182}, PAN2 {ECO:0000255|HAMAP-Rule:MF_03182}, KIAA0710, USP52

Target/Specificity

USP52 (NP_055686, 1099 a.a. ~ 1198 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IF~~1:50~200

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

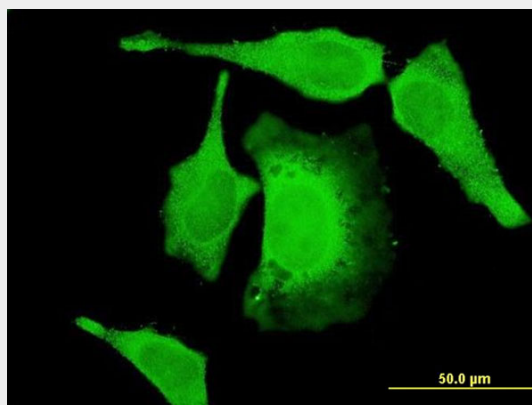
USP52 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

USP52 Antibody (monoclonal) (M01) - Protocols

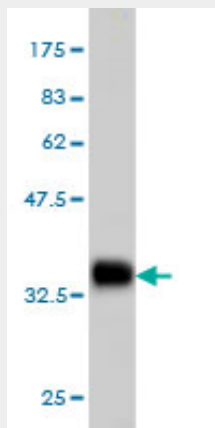
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

USP52 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to PAN2 on HeLa cell . [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .

USP52 Antibody (monoclonal) (M01) - Background

This gene encodes a deadenylase that functions as the catalytic subunit of the polyadenylate binding protein dependent poly(A) nuclease complex. The encoded protein is a magnesium dependent 3' to 5' exoribonuclease that is involved in the degradation of cytoplasmic mRNAs. Alternate splicing results in multiple transcript variants.

USP52 Antibody (monoclonal) (M01) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the

Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121. Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732. Mechanism of mRNA deadenylation: evidence for a molecular interplay between translation termination factor eRF3 and mRNA deadenylases. Funakoshi Y, et al. Genes Dev, 2007 Dec 1. PMID 18056425. Human TOB, an antiproliferative transcription factor, is a poly(A)-binding protein-dependent positive regulator of cytoplasmic mRNA deadenylation. Ezzeddine N, et al. Mol Cell Biol, 2007 Nov. PMID 17785442.