

RPS27A Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant RPS27A.

Catalog # AT3716a

Specification

RPS27A Antibody (monoclonal) (M01) - Product Information

Application	WB
Primary Accession	P62979
Other Accession	BC001392
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Lambda
Calculated MW	17965

RPS27A Antibody (monoclonal) (M01) - Additional Information

Gene ID 6233

Other Names

Ubiquitin-40S ribosomal protein S27a,
Ubiquitin carboxyl extension protein 80,
Ubiquitin, 40S ribosomal protein S27a,
RPS27A, UBA80, UBCEP1

Target/Specificity

RPS27A (AAH01392, 1 a.a. ~ 156 a.a)
full-length recombinant protein with GST
tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

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

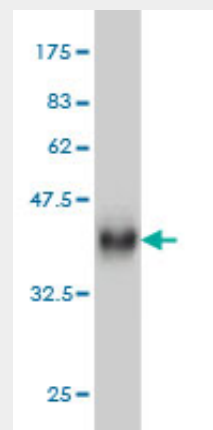
Storage

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

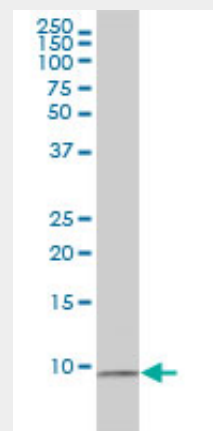
Precautions

RPS27A Antibody (monoclonal) (M01) is for
research use only and not for use in
diagnostic or therapeutic procedures.

RPS27A Antibody (monoclonal) (M01) -



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (42.9 KDa) .



RPS27A monoclonal antibody (M01), clone 3E2-E6 Western Blot analysis of RPS27A expression in HL-60 ((Cat # AT3716a)

RPS27A Antibody (monoclonal) (M01) - Background

Ubiquitin, a highly conserved protein that has a major role in targeting cellular proteins for degradation by the 26S proteasome, is synthesized as a precursor protein consisting of either polyubiquitin chains or a single ubiquitin fused to an unrelated protein. This gene encodes a fusion protein consisting of

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](#)

ubiquitin at the N terminus and ribosomal protein S27a at the C terminus. When expressed in yeast, the protein is post-translationally processed, generating free ubiquitin monomer and ribosomal protein S27a. Ribosomal protein S27a is a component of the 40S subunit of the ribosome and belongs to the S27AE family of ribosomal proteins. It contains C4-type zinc finger domains and is located in the cytoplasm. Pseudogenes derived from this gene are present in the genome. As with ribosomal protein S27a, ribosomal protein L40 is also synthesized as a fusion protein with ubiquitin; similarly, ribosomal protein S30 is synthesized as a fusion protein with the ubiquitin-like protein fubi. Multiple alternatively spliced transcript variants that encode the same proteins have been identified.

RPS27A Antibody (monoclonal) (M01) - References

1. Altered dynamics of ubiquitin hybrid proteins during tumor cell apoptosis. Han XJ, Lee MJ, Yu GR, Lee ZW, Bae JY, Bae YC, Kang SH, Kim DG. Cell Death Dis. 2012 Jan 19;3:e255. doi: 10.1038/cddis.2011.142.2. The HBx protein of hepatitis B virus regulates the expression, intracellular distribution and functions of Ribosomal Protein S27a. Fatima G, Mathan G, Kumar V. J Gen Virol. 2011 Dec 7. 3. Chemoprevention with Aqueous Extract of Butea monosperma flowers results in normalization of nuclear morphometry and inhibition of a proliferation marker in liver tumors. Mathan G, Fatima G, Saxena AK, Chandan BK, Jaggi BS, Gupta BD, Qazi GN, Balasundaram C, Anand Rajan KD, Kumar VL, Kumar V. Phytother Res. 2010 Jul 28. [Epub ahead of print]