



## Anti-RPS27A (full length) polyclonal antibody (DPAB-DC2756)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

#### Antigen Description

Ubiquitin, a highly conserved protein that has a major role in targeting cellular proteins for degradation by the 26S proteosome, 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 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.[provided by RefSeq, Sep 2008]

#### Immunogen

RPS27A (AAH01392, 1 a.a. ~ 156 a.a) full-length recombinant protein with GST tag. The sequence is  
 MQIFVKTLTGKTITLEVEPSDTIENVKAKIQDKEGIPPDQQQLIFAGKQLEDGRTLSdyn  
 IQKESTLHLVLRLRGGAKKRKKSYTTPKKNKHKKVKKVLAVALKYYKVDENGKISRLRE  
 CPSDECGAGVFMASHFDRHYCGKCCLTYCFNKPEDK

#### Source/Host

Mouse

#### Species Reactivity

Human

#### Conjugate

Unconjugated

#### Applications

ELISA,

#### Size

50 µl

Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

Gene Name	<a href="#">RPS27A ribosomal protein S27a [ Homo sapiens (human) ]</a>
Official Symbol	RPS27A
Synonyms	RPS27A; ribosomal protein S27a; UBC; S27A; CEP80; UBA80; HEL112; UBCEP1; UBCEP80; ubiquitin-40S ribosomal protein S27a; ubiquitin C; ubiquitin-CEP80; 40S ribosomal protein S27a; epididymis luminal protein 112; ubiquitin and ribosomal protein S27a; ubiquitin carboxyl extension protein 80;
Entrez Gene ID	<a href="#">6233</a>
Protein Refseq	<a href="#">NP_001129064</a>
UniProt ID	<a href="#">B2RDW1</a>
Chromosome Location	2p16
Pathway	APC/C-mediated degradation of cell cycle proteins; APC/C:Cdc2 mediated degradation of Securin; APC/C:Cdh1 mediated degradation of Cdc2 and other APC/C:Cdh1 targeted proteins in late mitosis/early G1; Activated NOTCH1 Transmits Signal to the Nucleus.
Function	metal ion binding; poly(A) RNA binding; structural constituent of ribosome;