

Datasheet for ABIN2786525
anti-RPL5 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	RPL5
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio), Dog, Guinea Pig, Horse, Rabbit, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPL5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human RPL5
Sequence:	RLVIQDKNKY NTPKYRMIVR VTNRDIICQI AYARIEGDMI VCAAYAHELP
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against RPL5. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	RPL5
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Target Details

Alternative Name:	RPL5 (RPL5 Products)
Background:	RPL5 is required for rRNA maturation and formation of the 60S ribosomal subunits. This protein binds 5S RNA. Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L18P family of ribosomal proteins. It is located in the cytoplasm. The protein binds 5S rRNA to form a stable complex called the 5S ribonucleoprotein particle (RNP), which is necessary for the transport of nonribosome-associated cytoplasmic 5S rRNA to the nucleolus for assembly into ribosomes. The protein interacts specifically with the beta subunit of casein kinase II. Variable expression of this gene in colorectal cancers compared to adjacent normal tissues has been observed, although no correlation between the level of expression and the severity of the disease has been found. This gene is co-transcribed with the small nucleolar RNA gene U21, which is located in its fifth intron. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: MGC117339, MSTP030, L5, DBA6 Protein Interaction Partner: HUWE1, UBC, PML, HAUS2, CEP250, TUBG1, TP53, SUMO2, SUMO3, STAU1, LGR4, VHL, RPL5, FBXO6, UPF2, TARDBP, IGSF8, ICAM1, CD81, PAN2, UBL4A, NOS2, VCAM1, MDM2, ITGA4, HSP90AB1, HSP90AA1, FN1, CSNK2A1, RPS3, RPL11, NPM1, ESR1, CBX5, EEF2, EEF1G, EEF1A1, DHX9, Protein Size: 297
Molecular Weight:	34 kDa
Gene ID:	6125
NCBI Accession:	NM_000969 , NP_000960
UniProt:	P46777

Application Details

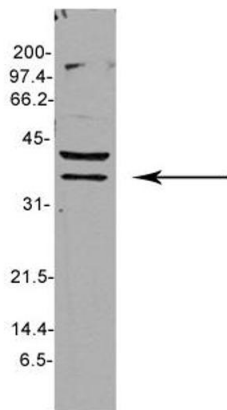
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 297 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

RPL5



See Immunoblot 2 Data and Customer Feedback tab for more information.

Western Blotting

Image 1. Sample Type: Arabidopsis thaliana extract (30ug)
Primary Diltution: 1:1000
Secondary Antibody: anti-rabbit HRP
Secondary Dilution: 1:15,000
Exposure Time: 1 minute
Image Submitted By: Anonymous