# antibodies -online.com







# anti-RPL5 antibody





Publication



()	V	er	V	İE	W
$\circ$	v	CI	٧	1	. V V

Quantity:	100 μL
Target:	RPL5
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPL5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

## **Product Details**

Immunogen:	Recombinant protein encompassing a sequence within the center region of human RPL5. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to RPL5 (ribosomal protein L5) RPL5 antibody
Purification:	Purified by antigen-affinity chromatography.

# **Target Details**

Target:	RPL5
Alternative Name:	ribosomal protein L5 (RPL5 Products)

#### Target Details

Bac	kar	'nΙ	ın	Ч.
Duo		$\sim$	<i>.</i>	ч.

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.

Cellular Localization: Cytoplasm, Nucleus, nucleolus

Molecular Weight:	34 kDa
Gene ID:	6125
UniProt:	P46777

## **Application Details**

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations
	should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Mouse brain , Rat2
Restrictions:	For Research Use only

#### Handling

Format:	Liquid
Concentration:	0.4 mg/mL
Buffer:	1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

#### Handling

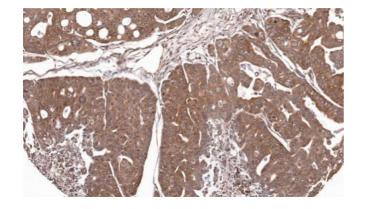
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage
	(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid
	multiple freeze-thaw cycles.

#### **Publications**

Product cited in:

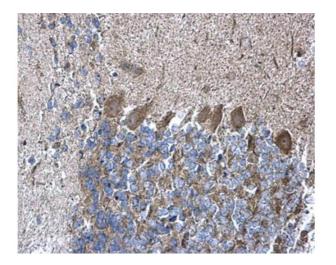
Yang, Chien, Lai, Su, Jan, Hsiao, Chen: "Monoamine Oxidase B Expression Correlates with a Poor Prognosis in Colorectal Cancer Patients and Is Significantly Associated with Epithelial-to-Mesenchymal Transition-Related Gene Signatures." in: **International journal of molecular sciences**, Vol. 21, Issue 8, (2020) (PubMed).

#### **Images**



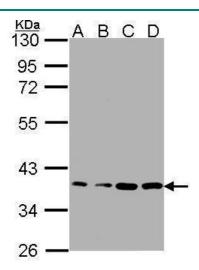
#### **Immunohistochemistry**

**Image 1.** IHC-P Image Immunohistochemical analysis of paraffin-embedded Gastric CA N87 xenograft, using RPL5, antibody at 1:100 dilution.



#### **Immunohistochemistry**

**Image 2.** IHC-P Image RPL5 antibody detects RPL5 protein at cytoplasm on mouse hind brain by immunohistochemical analysis. Sample: Paraffin-embedded mouse hind brain. RPL5 antibody, diluted at 1:500.



#### **Western Blotting**

Image 3. WB Image Sample(30 $\mu$ g whole cell lysate) A: A431 , B: H1299 C: HeLaS3 D: MOLT4 , 12% SDS PAGE antibody diluted at 1:1000

Please check the product details page for more images. Overall 6 images are available for ABIN2855187.