Datasheet for ABIN2855188

# anti-RPLP2 antibody (Center)

3 Images

Go to Product page

## Overview

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|---|---|
| Quantity: | 100 µL |
| Target: | RPLP2 |
| Binding Specificity: | Center |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This RPLP2 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC) |

## Product Details

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| Immunogen: | Recombinant protein encompassing a sequence within the center region of human RPLP2. The exact sequence is proprietary. |
| Isotype: | IgG |
| Cross-Reactivity: | Cow (Bovine), Monkey, Mouse (Murine), Rat (Rattus) |
| Cross-Reactivity (Details): | Mouse (98 %), Monkey (100 %), Bovine (97 %), Rat (97 %) |
| Characteristics: | Rabbit Polyclonal antibody to RPLP2 (ribosomal protein, large, P2)<br>RPLP2 antibody |
| Purification: | Purified by antigen-affinity chromatography. |

## Target Details

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|---|---|
| Target: | RPLP2 |
| Alternative Name: | RPLP2 (RPLP2 Products) |
| Background: | 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 phosphoprotein that is a component of the 60S subunit. The protein, which is a functional equivalent of the E. coli L7/L12 ribosomal protein, belongs to the L12P family of ribosomal proteins. It plays an important role in the elongation step of protein synthesis. Unlike most ribosomal proteins, which are basic, the encoded protein is acidic. Its C-terminal end is nearly identical to the C-terminal ends of the ribosomal phosphoproteins P0 and P1. The P2 protein can interact with P0 and P1 to form a pentameric complex consisting of P1 and P2 dimers, and a P0 monomer. The protein is located in the cytoplasm. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. |
| Molecular Weight: | 12 kDa |
| Gene ID: | 6181 |

## Application Details

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| Application Notes: | Suggested dilution Reference ICC/IF 1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceICC/IF1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000* |
| Comment: | Positive Control: 293T , A431 , H1299 , HeLa , HepG2 , Molt-4 , Raji |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Concentration: | 0.35 mg/mL |
| Buffer: | 1XPBS, 1 % BSA, 20 % Glycerol ( pH 7). 0.01 % Thimerosal was added as a preservative. |
| Preservative: | Thimerosal (Merthiolate) |

## Handling

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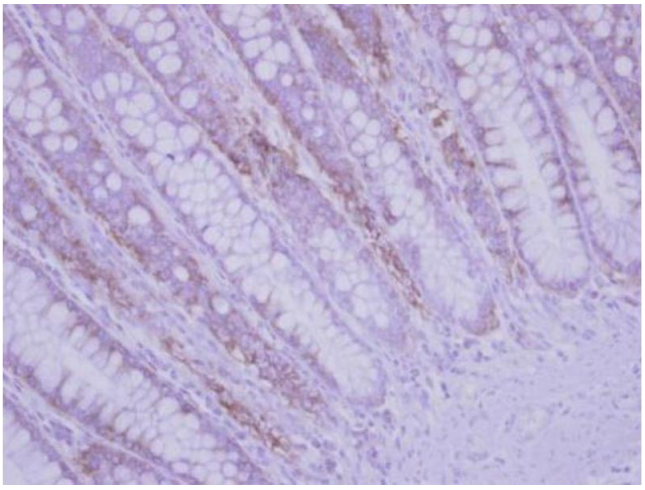
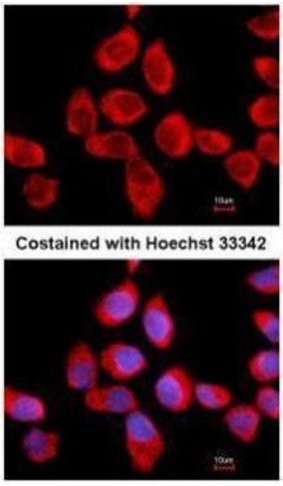
|---|---|
| Precaution of Use: | This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |

## Images



**Immunohistochemistry**

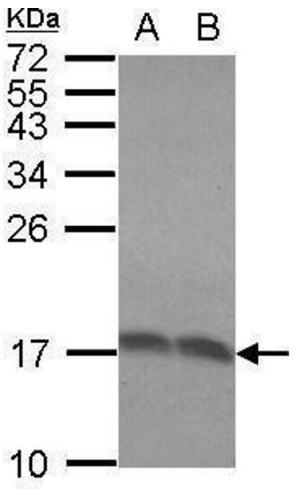
**Image 1.** IHC-P Image Immunohistochemical analysis of paraffin-embedded human colon carcinoma, using RPLP2, antibody at 1:500 dilution.




**Immunofluorescence**

**Image 2.** ICC/IF Image Immunofluorescence analysis of methanol-fixed A431, using RPLP2, antibody at 1:500 dilution.




**Western Blotting**

**Image 3.** WB Image Sample (30 ug of whole cell lysate) A: Molt-4 B: Raji 15% SDS PAGE antibody diluted at 1:1000