

Puromycin Rabbit pAb

Catalog No.: A21205SP

4 Publications

Basic Information

Observed MW

10 kDa or above

Calculated MW

Category

Primary antibody

Applications

WB, IP, IF/ICC, IHC-P, ELISA

Cross-Reactivity

Species independent

Background

Puromycin is a tyrosyl-tRNA mimic that blocks translation by labeling and releasing elongating polypeptide chains from translating ribosomes. Puromycin has been used in molecular biology research for decades as a translation inhibitor. More recently, in vivo puromycylation assays have become popular tools for localizing translating ribosomes in cells. These assays often use elongation inhibitors to purportedly inhibit the release of puromycin-labeled nascent peptides from ribosomes.

Recommended Dilutions

WB 1:2000 - 1:15000

IP 0.5 µg - 4 µg antibody for
200 µg - 600 µg extracts of
whole cells

IF/ICC 1:100-1:400

IHC-P 1:200 - 1:800

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements. For high-ratio
antibody dilutions
(≥1:10000)

Immunogen Information

Gene ID

CAS:58-58-2

Swiss Prot

Immunogen

This information is considered to be commercially sensitive.

Synonyms

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide.

May contain 0.05% BSA as specified on the Certificate of Analysis.

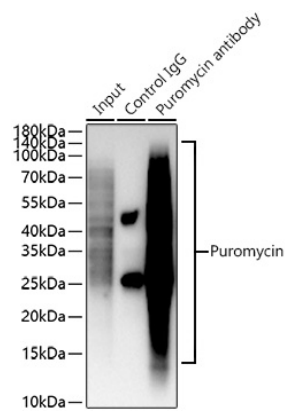
Contact

☎ | 400-999-6126

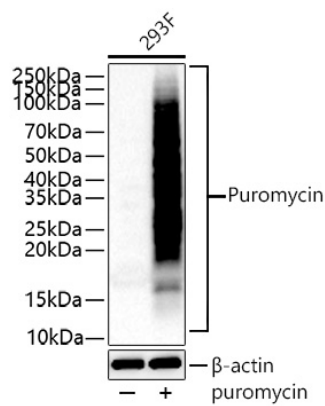
✉ | cn.market@abclonal.com.cn

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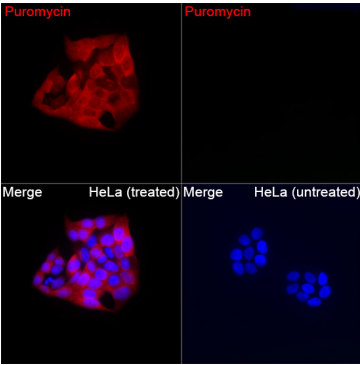
Validation Data



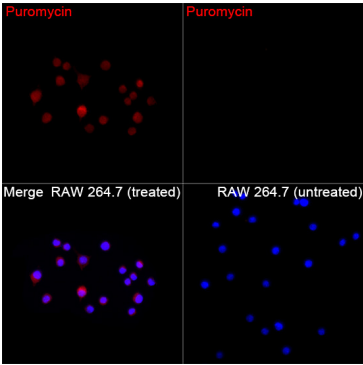
Immunoprecipitation of Puromycin from 600 µg extracts of 293T cells treated with puromycin(20 µg/mL, 4 h) was performed using 2 µg of Puromycin Rabbit pAb (A21205SP). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Puromycin Rabbit pAb (A21205SP) at a dilution of 1:1000.



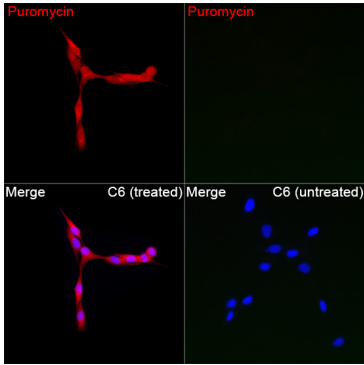
Western blot analysis of lysates from 293F cells using Puromycin Rabbit pAb (A21205SP) at 1:10000 dilution incubated overnight at 4°C. 293F cells were treated with puromycin (20 µg/mL) at 37°C for 4 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.



Immunofluorescence analysis of HeLa cells (treated with Puromycin) and HeLa cells (untreated) using Puromycin Rabbit pAb (A21205SP) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

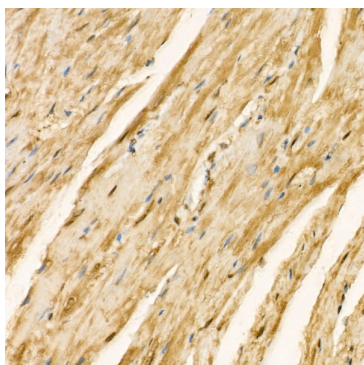


Immunofluorescence analysis of RAW 264.7 cells (treated with Puromycin) and RAW 264.7 cells (untreated) using Puromycin Rabbit pAb (A21205SP) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

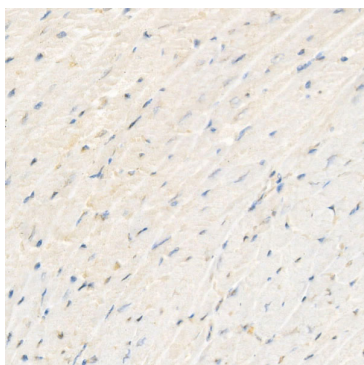


Immunofluorescence analysis of C6 cells (treated with Puromycin) and C6 cells (untreated) using Puromycin Rabbit pAb (A21205SP) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Mouse heart tissue treated with Puromycin using Puromycin Rabbit pAb (A21205SP) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse heart tissue using Puromycin Rabbit pAb (A21205SP) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.