PYCR1 Rabbit mAb

Catalog No.: A27417 Recombinant



Basic Information

Observed MW

33kDa/35kDa

Calculated MW

33kDa

Category

Primary antibody

Applications

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

Cross-Reactivity

Human

CloneNo number

ARC73109

IF-P

IHC-P

ELISA

Background

This gene encodes an enzyme that catalyzes the NAD(P)H-dependent conversion of pyrroline-5-carboxylate to proline. This enzyme may also play a physiologic role in the generation of NADP(+) in some cell types. The protein forms a homopolymer and localizes to the mitochondrion. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB 1:12000 - 1:72000

IF/ICC 1:200 - 1:2000

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

1:200 - 1:2000

1:200 - 1:800

Immunogen Information

Gene ID5831

Swiss Prot
P32322

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

P5C; P5CR; PRO3; PYCR; PIG45; PP222; ARCL2B; ARCL3B

Contact

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	www.abclonal.com.cn

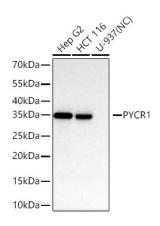
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

Storage

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

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.



Western blot analysis of various lysates using PYCR1 Rabbit mAb (A27417) at 1:12000 dilution incubated at room temperature for 1.5 hours.

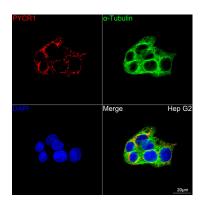
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

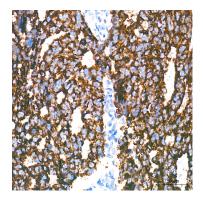
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020). Negative control (NC): U-937

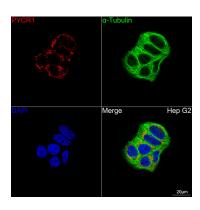
Exposure time: 10s.



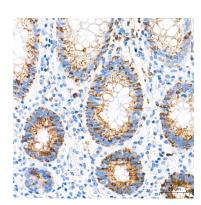
Confocal imaging of Hep G2 cells using PYCR1 Rabbit mAb (A27417, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



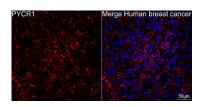
Immunohistochemistry analysis of paraffinembedded Human colon carcinoma tissue using PYCR1 Rabbit mAb (A27417) at a dilution of 1:600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



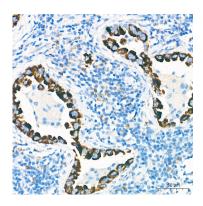
Confocal imaging of MCF7 cells using PYCR1 Rabbit mAb (A27417, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffinembedded Human colon tissue using PYCR1 Rabbit mAb (A27417) at a dilution of 1:600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

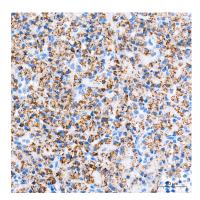


Confocal imaging of paraffin-embedded Human breast cancer tissue using PYCR1 Rabbit mAb (A27417, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Immunohistochemistry analysis of paraffinembedded Human lung adenocarcinoma tissue using PYCR1 Rabbit mAb (A27417) at a dilution of 1:600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffinembedded Human pancreas tissue using PYCR1 Rabbit mAb (A27417) at a dilution of 1:600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.