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Datasheet for ABIN6146517
anti-PYCR1 antibody (AA 1-319)

1 Image

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | PYCR1 |
| Binding Specificity: | AA 1-319 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PYCR1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF) |

Product Details

| | |
|-------------------|---|
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 1-319 of human PYCR1 (NP_008838.2). |
| Sequence: | MSVGFAGAGQ LAFALAKGFT AAGVLAHAKI MASSPDMDLA TVSALRKMGV KLTPHNKETV QHSDVLFLLAV KPHIIPFILD EIGADIEDRH IVVSCAAGVT ISSIEKKLSA FRPAPRVIRC MTNTPVWVRE GATVYATGTH AQVEDGRLME QLLSSVGFCT EVEEDLIDAV TGLSGSGPAY AFTALDALAD GGVKMGLPRR LAVRLGAQAL LGAAKMLLHS EQHPGQLKDN VSSPGGATIH ALHVLESGGF RLLINAVEA SCIRTRELQS MADQEQVSPA AIKKTILDKV KLDSPAGTAL SPSGHTKLLP RSLAPAGKD |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Polyclonal Antibodies |

Target Details

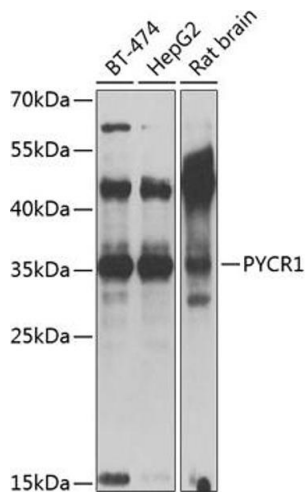
| | |
|-------------------|---|
| Target: | PYCR1 |
| Alternative Name: | PYCR1 (PYCR1 Products) |
| Background: | This gene encodes an enzyme that catalyzes the NAD(P)H-dependent conversion of pyrroline-5-carboxylate to proline. This enzyme may also play a physiologic role in the generation of NADP(+) in some cell types. The protein forms a homopolymer and localizes to the mitochondrion. Alternative splicing results in multiple transcript variants.,PYCR1,ARCL2B,ARCL3B,P5C,P5CR,PIG45,PP222,PRO3,PYCR,Epigenetics & Nuclear Signaling,Cancer,Signal Transduction,Endocrine & Metabolism,Amino acid metabolism,PYCR1 |
| Molecular Weight: | 33 kDa/35 kDa |
| Gene ID: | 5831 |
| UniProt: | P32322 |

Application Details

| | |
|--------------------|-----------------------------------|
| Application Notes: | WB,1:500 - 1:2000,IF,1:50 - 1:100 |
| Restrictions: | For Research Use only |

Handling

| | |
|--------------------|--|
| Format: | Liquid |
| Buffer: | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using PYCR1 antibody (ABIN6133043, ABIN6146517, ABIN6146519 and ABIN6217304) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) 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: 30s.