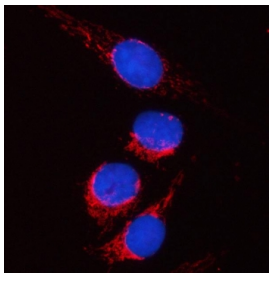
# PYCR2 Antibody / Pyrroline-5-carboxylate reductase 2 (RQ8211)

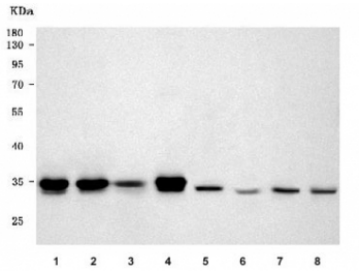
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ8211 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

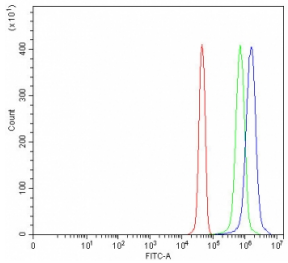
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | Q96C36 |
| **Localization** | Cytoplasm |
| **Applications** | Western blot: 0.5-1ug/ml<br>Immunofluorescence: 5ug/ml<br>Flow cytometry: 1-3ug/million cells<br>Direct ELISA: 0.1-0.5ug/ml |
| **Limitations** | This PYCR2 antibody is available for research use only. |



Immunofluorescent staining of FFPE human U-2 OS cells with PYCR2 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.




Western blot testing of 1) human HeLa, 2) human Jurkat, 3) human ThP-1, 4) human K562, 5) rat brain, 6) rat thymus, 7) mouse brain and 8) mouse thymus tissue lysate with PYCR2 antibody. Predicted molecular weight ~34 kDa.




Flow cytometry testing of fixed and permeabilized human JK cells with PYCR2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PYCR2 antibody.

## Description

Pyrroline-5-carboxylate reductase family, member 2 is a protein that in humans is encoded by the PYCR2 gene. This gene belongs to the pyrroline-5-carboxylate reductase family. The encoded mitochondrial protein catalyzes the conversion of pyrroline-5-carboxylate to proline, which is the last step in proline biosynthesis. Alternatively spliced transcript variants have been described for this gene.

## Application Notes

Optimal dilution of the PYCR2 antibody should be determined by the researcher.

## Immunogen

E. coli-derived recombinant human protein (amino acids Q10-D320) was used as the immunogen for the PYCR2 antibody.

## Storage

After reconstitution, the PYCR2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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