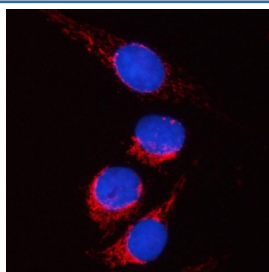


PYCR2 Antibody / Pyrroline-5-carboxylate reductase 2 (RQ8211)

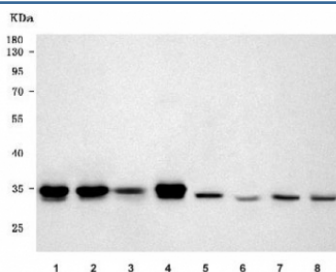
Catalog No.	Formulation	Size
RQ8211	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

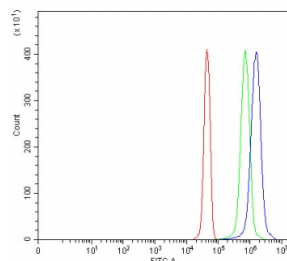
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q96C36
Localization	Cytoplasm
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells 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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.