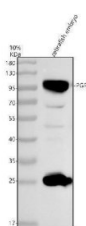


Zebrafish Progesterone Receptor Antibody / PGR Antibody (RZ1347)

Catalog No.	Formulation	Size
RZ1347	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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Species Reactivity	Zebrafish
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Buffer	Lyophilized from a buffered saline solution containing 2% trehalose. Reconstitute with 0.2 mL distilled water to yield a final antibody concentration of 500 ug/mL.
UniProt	C9V3N7
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Zebrafish Progesterone Receptor Antibody is available for research use only.



Zebrafish Progesterone Receptor Antibody WB. Western blot analysis of PGR using anti-PGR antibody. Electrophoresis was performed on a 10% SDS-PAGE gel for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: zebrafish embryo tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PGR antigen antibody at 0.5 ug/ml overnight at 4oC, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus WB. Western blotting Substrate with Tanon 5200 system. A specific band was detected for PGR at approximately 100 kDa. The expected band size for PGR is at 36 kDa.

Description

Enables nuclear steroid receptor activity and steroid binding activity. Acts upstream of or within luteinizing hormone signaling pathway and ovulation. Predicted to be active in chromatin and nucleus. Is expressed in several structures, including brain; digestive system; gonad; steroid hormone secreting cell; and ventricular zone. Human ortholog(s) of this gene implicated in endometriosis; hyperprolactinemia; and obesity. Orthologous to human PGR (progesterone receptor).

Application Notes

The optimal working dilution of the Zebrafish Progesterone Receptor Antibody should be determined empirically by the investigator.

Immunogen

An E.coli-derived Zebrafish PR/PGR recombinant protein (amino acids K71-K586) was used as the immunogen for the Zebrafish Progesterone Receptor Antibody.

Storage

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