

## Anti human PNR mouse monoclonal antibody

PNR: Photoreceptor-specific Nuclear Receptor

**Code No** PP-H7223-00

**Clone No.** H7223

**Lot.** A-1

**Concentration** 1 mg/mL

**Volume** 100 uL

**Ig Class** G2a

**Description** Photoreceptor-specific nuclear receptor (PNR, RNR; NR2E3) is a member of orphan nuclear receptor. PNR is expressed in retina. PNR plays a role in retinal photoreceptor cell differentiation and degeneration.

**Nomenclature** NR2E3

**Genbank** AF121129

**Origin** Produced in BALB/c mouse ascites after inoculation with hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with Baculovirus-expressed recombinant human PNR (2-45 aa).

**Specificity** This antibody specifically recognizes human PNR and cross reacts with rat PNR. Not yet tested in other species.

**Purification** Ammonium sulfate fractionation

**Formulation** Physiological saline with 0.1% NaN<sub>3</sub> as a preservative.

### Application / Recommended Concentration

In order to obtain the best results, optimal working dilutions should be determined by each individual user.

**Western Blot** 1 ug/mL

**Non reducing Western Blot** Not yet tested

**ELISA** 10ng/mL

**Immunoprecipitation** Not yet tested

**Supershift Assay** Not yet tested

**Chromatin immunoprecipitation** Not yet tested

**Immunohistochemistry** 10-20 ug/mL



Human Eye  
Retina, Outer nuclear layer  
paraffin section



Rat Eye  
Retina, Outer nuclear layer  
paraffin section

**Storage** Store at 2 - 8 °C up to one month. For long-term storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. Storage in a frost-free freezer is not recommended.

**Reference** Takezawa S, *et al.* EMBO J. 2007; 26(3): 764-74

**Notes** Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.

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