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# *Anti human RXR alpha mouse monoclonal antibody*

RXR alpha: Retinoid X Receptor alpha

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|---|---|
| Code No | PP-K8508-00 |
| Clone No. | K8508 |
| Lot. | A-2 |
| Concentration | 1 mg/mL |
| Volume | 100 uL |
| Ig Class | G2a |
| Description | Retinoid X receptor alpha (RXRa; NR2B1) is a member of orphan nuclear receptor. 9-cis retinoic acid can bind to RXR. RXRa is expressed in liver, muscle, lung, kidney, intestine, heart and spleen. RXRa plays roles in a variety of processes including embryonic patterning and organogenesis, cell proliferation and differentiation. RXRs commonly function as heterodimers with other members of the nuclear receptor superfamily. |
| Nomenclature | NR2B1 |
| Genbank | X52773 |
| 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 RXR alpha (2-133 aa). |
| Specificity | This antibody specifically recognizes human RXR alpha and cross reacts with mouse and rat RXR alpha. This antibody does not recognize human RXR beta and gamma. |
| Purification | Ammonium sulfate fractionation |
| Formulation | Physiological saline with 0.1% NaN3 as a preservative. |

## Application / Recommended Concentration

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

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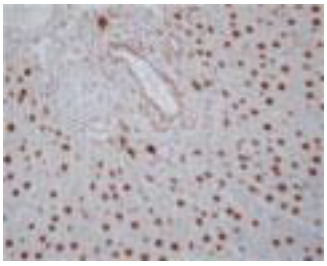
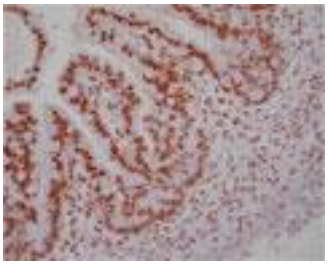
| Western Blot | 2 ug/mL |
| Non reducing Western Blot | Not yet tested |
| ELISA | 0.1 ug/mL |
| Immunoprecipitation | Decide by use |
| Supershift Assay | Decide by use |
| Chromatin immunoprecipitatic | Decide by use |
| Immunohistochemistry | 10-20 ug/mL |



Rat Liver
Hepatocyte
paraffin section



Rat Embryonic intestine
Epithelial cell
paraffin section

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|---|---|
| Storage | Store at 2 - 8 ºC 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 | Suh JM, *et al.* Mol Endocrinol. 2006; 20(12): 3412-20<br>Qin J, *et al.* Dev Dyn. 2007; 236(3): 810-20 |
| Notes | Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal. |

FOR RESEARCH ONLY. NOT FOR USE IN HUMANS.



MADE IN JAPAN

July 1, 2023