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# Anti human MR mouse monoclonal antibody

MR: Mineralocorticoid Receptor

Nomenclature NR3C2

M16801

human MR (2-99 aa).

Genbank

Specificity

Origin

| Code No       | PP-H3122-00  |
|---------------|--|
| Clone No.     | H3122  |
| Lot.          | A-2  |
| Concentration | 1 mg/mL  |
| Volume        | 100 uL   |
| lg Class      | G2a  |
| Description   | Mineralcorticoid receptor (MR: NR3C2) is a member of |

Mineralcorticoid receptor (MR; NR3C2) is a member of steroid receptor (AR, ER, GR, PR). Aldosterone binds to MR with a high affinity. MR is expressed in kidney, gut, brain, pituitary, hypothalamus and heart. MR plays a critical role in regulating electrolyte and fluid balance in the kidney, as well as having specific roles in the central nervous system. The protein is expressed as a 107 kDa nuclear form. MR and GR can cooperatively form heterodimers.

Produced in BALB/c mouse ascites after inoculation with hybridoma of mouse myeloma cells (NS-1) and

immunized with Baculovirus-expressed recombinant

This antibody specifically recognizes human MR and

spleen cells derived from a BALB/c mouse

#### Application / Recommended Concentration

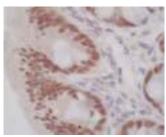
In order to obtain the best results, optimal working dilutions should be determined by each individual user.

| Western Blot                 | 1 ug/mL        |
|------------------------------|----------------|
| Non reducing Western Blot    | Not yet tested |
| ELISA                        | 0.2 ug/mL      |
| Immunoprecipitation          | Decide by use  |
| Supershift Assay             | Not yet tested |
| Chromatin immunoprecipitatic | Not yet tested |
|                              |                |



Immunohistochemistry





Rat Large Intestine Epithelial cell 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.

20-40 ug/mL

## Reference

Suh JM, et al. Mol Endocrinol. 2006; 20(12): 3412-20 Qin J, et al. Dev Dyn. 2007; 236(3): 810-20 Shibata S, et al. Nat Med. 2008; 14(12): 1370-6

| Purification | Ammonium sulfate fractionation                         |
|--------------|--|
| Formulation  | Physiological saline with 0.1% NaN3 as a preservative. |

cross reacts with mouse and rat MR.

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.

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