

Datasheet for ABIN118958

## anti-Glucocorticoid Receptor antibody (AA 150-176)



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### Overview

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|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 0.2 mg                                                                                                                                                           |
| Target:              | Glucocorticoid Receptor (NR3C1)                                                                                                                                  |
| Binding Specificity: | AA 150-176                                                                                                                                                       |
| Reactivity:          | Human                                                                                                                                                            |
| Host:                | Mouse                                                                                                                                                            |
| Clonality:           | Monoclonal                                                                                                                                                       |
| Conjugate:           | This Glucocorticoid Receptor antibody is un-conjugated                                                                                                           |
| Application:         | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Enzyme Immunoassay (EIA) |

### Product Details

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|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | 26 amino acid peptide corresponding to residues 150-176 of human GCR linked to thyroglobulin (human). Spleen cells from immunised BALB/c mice were fused with cells of the mouse Sp-2/0 Ag14 myeloma cell line. |
| Clone:        | 8-00E-009                                                                                                                                                                                                       |
| Isotype:      | IgG1                                                                                                                                                                                                            |
| Specificity:  | This antibody recognises the glucocorticoid receptor, located in the cytoplasm of cells, and associated with certain heat shock proteins. Clone 8E9 binds to an epitope between amino acids 167-176.            |
| Purification: | Affinity chromatography on Protein G                                                                                                                                                                            |

## Target Details

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| Target:           | Glucocorticoid Receptor (NR3C1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Alternative Name: | Glucocorticoid Receptor ( <a href="#">NR3C1 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Background:       | <p>Steroid receptors are ligand-dependent, intracellular proteins that stimulate transcription of specific genes by binding to specific DNA sequences following activation by the appropriate hormone. Glucocorticoids are a family of steroids necessary for the regulation of energy metabolism and the immune and inflammatory responses. These compounds exert their effect through their interaction with the glucocorticoid receptor (GR) and that complex's subsequent association with DNA. All normal mammalian tissues examined to date have been shown to contain glucocorticoid receptor. Synonyms: GR, GRL, NR3C1</p> |
| Gene ID:          | 2908                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| NCBI Accession:   | <a href="#">NP_000167</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| UniProt:          | <a href="#">P04150</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Pathways:         | <a href="#">Nuclear Receptor Transcription Pathway</a> , <a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a> , <a href="#">Steroid Hormone Mediated Signaling Pathway</a> , <a href="#">Regulation of Intracellular Steroid Hormone Receptor Signaling</a> , <a href="#">Regulation of Hormone Metabolic Process</a> , <a href="#">Regulation of Hormone Biosynthetic Process</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a>                                                                                                  |

## Application Details

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| Application Notes: | <p>ELISA: 1/1000. Western Blot: 1/1000. Successful use in Immunohistochemistry on frozen and paraffin sections was reported by some researchers. As this detection method has not been verified by antibodies-online, the application was deleted from the database. This does not necessarily exclude the use in such procedure.</p> <p>Other applications not tested.</p> <p>Optimal dilutions are dependent on conditions and should be determined by the user.</p> |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Handling

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|----------------|---------------------------------------------------------------------------|
| Concentration: | 1.0 mg/mL                                                                 |
| Buffer:        | PBS, pH 7.2 containing 0.09 % Sodium Azide and 0.1 % Bovine Serum Albumin |
| Preservative:  | Sodium azide                                                              |

## Handling

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|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice:   | Avoid repeated freezing and thawing.                                                                                   |
| Storage:           | 4 °C/-20 °C                                                                                                            |
| Storage Comment:   | Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.                            |