

# Retinoic Acid Receptor beta Antibody

Rabbit mAb

Catalog # AP91833

## Product Information

|                          |                                                       |
|--------------------------|-------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC, IHF                                 |
| <b>Primary Accession</b> | <a href="#">P10826</a>                                |
| <b>Reactivity</b>        | Human                                                 |
| <b>Clonality</b>         | Monoclonal                                            |
| <b>Other Names</b>       | HAP; NR1B2; RAR B; RAR beta; RAR epsilon; RARB; RRB2; |
| <b>Isotype</b>           | Rabbit IgG                                            |
| <b>Host</b>              | Rabbit                                                |
| <b>Calculated MW</b>     | 50489                                                 |

## Additional Information

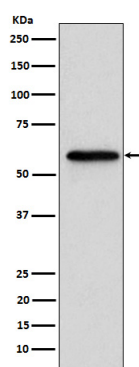
|                                     |                                                                                                                                                                                                                                          |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dilution</b>                     | WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200                                                                                                                                                                                         |
| <b>Purification</b>                 | Affinity-chromatography                                                                                                                                                                                                                  |
| <b>Immunogen</b>                    | A synthesized peptide derived from human Retinoic Acid Receptor beta                                                                                                                                                                     |
| <b>Description</b>                  | Receptor for retinoic acid. Retinoic acid receptors bind as heterodimers to their target response elements in response to their ligands, all-trans or 9-cis retinoic acid, and regulate gene expression in various biological processes. |
| <b>Storage Condition and Buffer</b> | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.                                                        |

## Protein Information

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| <b>Name</b>              | RARB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>          | HAP, NR1B2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Function</b>          | Receptor for retinoic acid. Retinoic acid receptors bind as heterodimers to their target response elements in response to their ligands, all-trans or 9-cis retinoic acid, and regulate gene expression in various biological processes. The RXR/RAR heterodimers bind to the retinoic acid response elements (RARE) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5. In the absence or presence of hormone ligand, acts mainly as an activator of gene expression due to weak binding to corepressors (PubMed: <a href="#">12554770</a> ). The RXRA/RARB heterodimer can act as a repressor on the DR1 element and as an activator on the DR5 element (PubMed: <a href="#">29021580</a> ). In concert with RARG, required for skeletal growth, matrix homeostasis and growth plate function (By similarity). |
| <b>Cellular Location</b> | Nucleus. Cytoplasm [Isoform Beta-2]: Nucleus.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Tissue Location</b>   | Expressed in aortic endothelial cells (at protein level).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Images

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Western blot analysis of Retinoic Acid Receptor beta expression in MCF7 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.