

# Retinoic Acid Receptor beta Rabbit mAb

Catalog # AP77881

## Product Information

|                   |                                                                      |
|-------------------|----------------------------------------------------------------------|
| Application       | WB, IHC-P, IF, ICC                                                   |
| Primary Accession | <a href="#">P10826</a>                                               |
| Reactivity        | Human                                                                |
| Host              | Rabbit                                                               |
| Clonality         | Monoclonal Antibody                                                  |
| Isotype           | IgG                                                                  |
| Conjugate         | Unconjugated                                                         |
| Immunogen         | A synthesized peptide derived from human Retinoic Acid Receptor beta |
| Purification      | Affinity Chromatography                                              |
| Calculated MW     | 50489                                                                |

## Additional Information

|             |                                                                                                    |
|-------------|----------------------------------------------------------------------------------------------------|
| Gene ID     | 5915                                                                                               |
| Other Names | RARB                                                                                               |
| Dilution    | WB~~1/500-1/1000 IHC-P~~N/A IF~~1:50~200 ICC~~N/A                                                  |
| Format      | Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol. |
| Storage     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.           |

## Protein Information

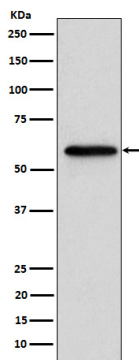
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | RARB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Synonyms          | HAP, NR1B2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Function          | 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). |
| Cellular Location | Nucleus. Cytoplasm [Isoform Beta-2]: Nucleus.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

**Tissue Location**

Expressed in aortic endothelial cells (at protein level).

**Images**

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