

**Retinoic Acid Receptor beta Antibody**  
**Rabbit mAb**  
**Catalog # AP91833****Specification****Retinoic Acid Receptor beta Antibody - Product Information**

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

**Retinoic Acid Receptor beta Antibody - Additional Information**

Dilution	WB~~1:1000 IHC~~1:100~500 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Retinoic Acid Receptor beta
Description	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.
Storage Condition and Buffer	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.

**Retinoic Acid Receptor beta Antibody - 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="http://www.uniprot.org/citations/12554770"

target="\_blank">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="http://www.uniprot.org/citations/29021580" target="\_blank">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

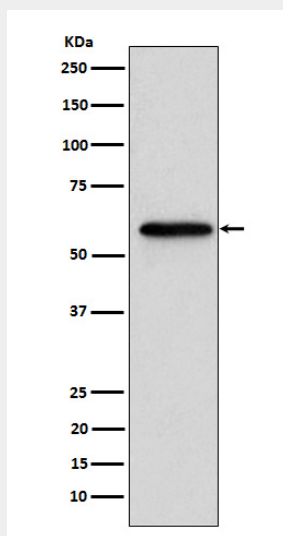
Expressed in aortic endothelial cells (at protein level).

### Retinoic Acid Receptor beta Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Retinoic Acid Receptor beta Antibody - Images



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