

OriGene Technologies, Inc.

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Product datasheet for AP06307PU-M

Retinoic Acid Receptor beta (RARB) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/500 - 1/1000. Immunohistochemistry on paraffin sections: 1/50 - 1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 321-370 of Human RAR eta .
Specificity:	This Antibody detects endogenous levels of Retinoic Acid Receptor beta protein (region surrounding Leu359)
Formulation:	PBS, pH 7.2 State: Aff - Purified State: Liquid purified lg fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE))
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 50 kDa
Gene Name:	retinoic acid receptor beta
Database Link:	<u>Entrez Gene 218772 MouseEntrez Gene 5915 Human</u> <u>P10826</u>



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	Retinoic Acid Receptor beta (RARB) Rabbit Polyclonal Antibody – AP06307PU-M
Background:	Retinoids are metabolites of vitamin A (retinol) that are important signaling molecules during vertebrate development and tissue differentiation. Retinoic acid receptors (RARs) and retinoid X receptors (RXRs) are nuclear transcription factors that modulate the effects of retinoids (RA) on gene expression. Most retinoid forms (including all trans RA, 9-cis RA, 40xo RA and 3,4 dihydro RA) activate RAR family members, whereas RXR family members are activated by 9-cis-RA only. RA binds RARs, inducing a change in receptor configuration that allows DNA binding and increased gene transcription from specific genes to occur. RAR family members, which include RARα, RARβ and RARγ, belong to the same class of nuclear transcription factors as thyroid hormone receptors, vitamin D3 receptor and ecdysone receptor. Retinoid receptor expression is tissue specific; the skin expresses RARγ and RXRα. The expression of RARγ and RXRβ was somewhat decreased in lung cancers. The human RARγ gene maps to chromosome 12q13.
Synonyms:	RAR-epsilon, HAP, NR1B2, Retinoic acid receptor beta
Protein Families:	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Protein Pathways	Non-small cell lung cancer, Pathways in cancer, Small cell lung cancer
Product image	es:
	-117

	-85
retinoic acid receptor β –	-49
	-34
	-25

Western blot (WB) analysis of Retinoic Acid Receptor beta antibody in extracts from HepG2 cells.

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Immunohistochemistry (IHC) analyzes of Retinoic Acid Receptor beta antibody in paraffinembedded human breast carcinoma tissue.

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