

## Product datasheet for **AP06308PU-N**

### Retinoid X Receptor gamma (RXRG) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/500-1/1000. <b>Immunohistochemistry on paraffin sections:</b> 1/50-1/200. <b>Immunofluorescence:</b> 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 150-250 of Human RXR $\gamma$ .
Specificity:	This antibody detects endogenous levels of Retinoid X Receptor gamma protein. (region surrounding Leu200)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 15 mM sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen and the purity is > 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:	~ 52 kDa
Gene Name:	retinoid X receptor gamma
Database Link:	<a href="#">Entrez Gene 20183 Mouse</a> <a href="#">Entrez Gene 83574 Rat</a> <a href="#">Entrez Gene 6258 Human P48443</a>



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**Background:**

Retinoids are metabolites of vitamin A (retinal) and are believed to represent important signaling molecules during vertebrate development and tissue differentiation. Two families of retinoid receptors have been identified. Retinoic acid receptors (RARs) include RAR alpha, RAR beta and RAR gamma, each of which has a high affinity for all trans retinoic acids and belongs to the same class of nuclear transcription factors as thyroid hormone receptors, vitamin D3 receptor and ecdysone receptor. The ligand binding domains of the RARs are highly conserved and RAR isoforms are expressed in distinct patterns through out development and in the mature organism. Members of the retinoid X receptor (RXR) family, RXR alpha, RXR beta and RXR gamma, are activated by 9 cis retinoic acid, a stereo and photoisomer of all trans RA that is expressed in vivo in both liver and kidney and may represent a widely used hormone.

**Synonyms:**

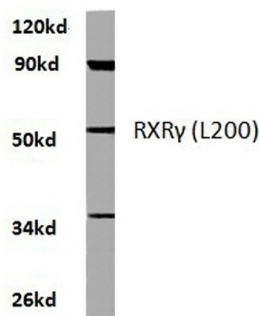
NR2B3, Retinoic acid receptor RXR-gamma, Retinoid X receptor gamma

**Protein Families:**

Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

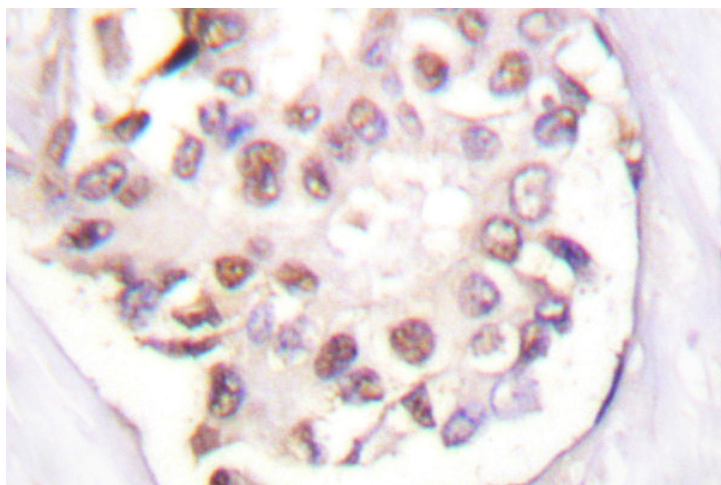
**Protein Pathways:**

Adipocytokine signaling pathway, Non-small cell lung cancer, Pathways in cancer, PPAR signaling pathway, Small cell lung cancer, Thyroid cancer

**Product images:**

HeLa whole cell lysate  
RXR $\gamma$  (L200) pAb at 1:500 dilution

Western blot (WB) analysis of Retinoid X Receptor  
? antibody in extracts fromh hela cells.



Immunohistochemistry (IHC) analyzes of Retinoid X Receptor  $\gamma$  antibody in paraffin-embedded human lymph node breast carcinoma tonsil tissue.