

# Phospho-Retinoic Acid Receptor alpha (Ser77) Antibody

CATALOG NO.: A1723-100 100 µl.

**BACKGROUND 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. 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 of ligand, the RXR-RAR heterodimers associate with a multiprotein complex containing transcription corepressors that induce histone acetylation, chromatin condensation and transcriptional suppression. On ligand binding, the corepressors dissociate from the receptors and associate with the coactivators leading to transcriptional activation

**ALTERNATE NAMES:** Retinoic acid receptor alpha, RAR-alpha, Nuclear receptor subfamily 1 group B member 1, RARA, NR1B1.

**ANTIBODY TYPE:** Polyclonal

**CONCENTRATION:** 1mg/ml

**HOST/ISOTYPE:** Rabbit / IgG.

**IMMUNOGEN:** A synthesized peptide derived from human Retinoic Acid Receptor alpha around the phosphorylation site of Sersine 77.

**MOLECULAR WEIGHT:** 45 kDa.

**PURIFICATION:** Affinity purified.

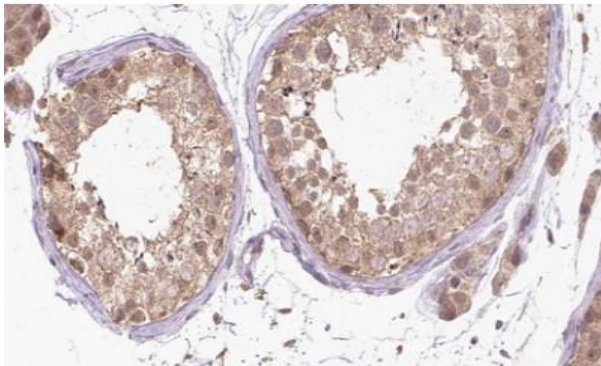
**FORM:** Liquid.

**FORMULATION:** In phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02% sodium azide and 50% glycerol

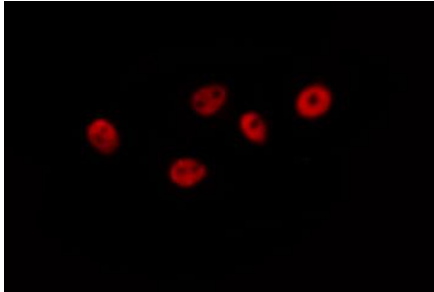
**SPECIES REACTIVITY:** Rat.  
 Mouse.  
 Human.

**STORAGE CONDITIONS:** Store at -20°C; For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

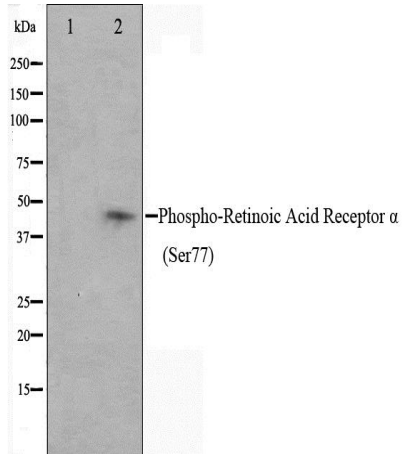
**APPLICATIONS AND USAGE:** WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA (peptide) 1:20000-1:40000.



IHC staining human Testis tissue sections using Phospho-Retinoic Acid Receptor alpha (Ser77) Antibody.



ICC/IF staining of HeLa cells using Phospho-Retinoic Acid Receptor alpha (Ser77) Antibody.



Western blot analysis on Jurkat cell lysate using Phospho-Retinoic Acid Receptor alpha (Ser77) Antibody, The lane on the left is treated with the antigen-specific peptide..

**RELATED PRODUCTS:**

RARA polyclonal antibody (6826).

***FOR RESEARCH USE ONLY! Not to be used on humans.***