

Product Name: RAR α Rabbit Polyclonal Antibody**Catalog #: APRab16903**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
Molecular Weight	51kDa

Antigen Information

Gene Name	RARA
Alternative Names	RARA; NR1B1; Retinoic acid receptor alpha; RAR-alpha; Nuclear receptor subfamily 1 group B member 1
Gene ID	5914.0
SwissProt ID	P10276
Immunogen	The antiserum was produced against synthesized peptide derived from human Retinoic Acid Receptor alpha. AA range:46-95

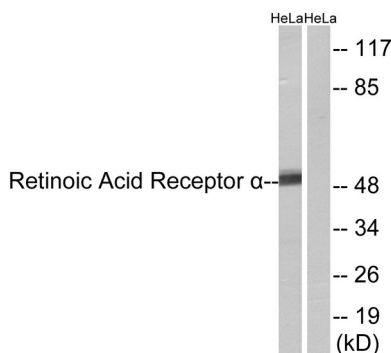
Background

This gene represents a nuclear retinoic acid receptor. The encoded protein, retinoic acid receptor alpha, regulates transcription in a ligand-dependent manner. This gene has been implicated in regulation of development, differentiation, apoptosis, granulopoiesis, and transcription of clock genes. Translocations between this locus and several other loci have been associated with acute promyelocytic leukemia. Alternatively spliced transcript variants have been found for this locus.[provided by RefSeq, Sep 2010],disease:Chromosomal aberrations involving RARA may be a cause of acute promyelocytic leukemia (APL) [MIM:612376]. Translocation t(11;17)(q32;q21) with ZBTB16/PLZF; translocation t(15;17)(q21;q21) with PML; translocation t(5;17)(q32;q11) with NPM.,domain:Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal steroid-binding domain.,function:This is a receptor for retinoic acid. This metabolite has profound effects on vertebrate development. Retinoic acid is a morphogen and is a powerful teratogen. This receptor controls cell function by directly regulating gene expression.,online information:Retinoic acid receptor entry,PTM:Phosphorylated. Phosphorylation does not change during cell cycle. Phosphorylation on Ser-77 is crucial for transcriptional activity.,similarity:Belongs to the nuclear hormone receptor family.,similarity:Belongs to the nuclear hormone receptor family. NR1 subfamily.,similarity:Contains 1 nuclear receptor DNA-binding domain.,subunit:Interacts with CDK7 (By similarity). Interacts with NCOA3 and NCOA6 coactivators, leading to a strong increase of transcription of target genes. Interacts with NOCA7 in a ligand-inducible manner.,

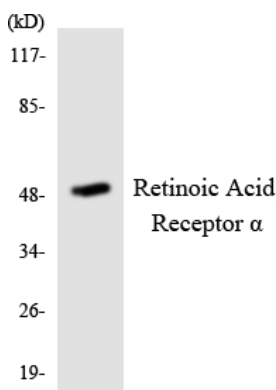
Research Area

Pathways in cancer;Acute myeloid leukemia;

Image Data



Western blot analysis of lysates from HeLa cells, using Retinoic Acid Receptor alpha Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using Retinoic Acid Receptor α antibody.