



# RAR $\alpha$ rabbit pAb

Cat No.:ES6992

For research use only

## Overview

<b>Product Name</b>	RAR $\alpha$ rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Retinoic Acid Receptor alpha. AA range:46-95
<b>Specificity</b>	RAR $\alpha$ Polyclonal Antibody detects endogenous levels of RAR $\alpha$ protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Retinoic acid receptor alpha
<b>Gene Name</b>	RARA
<b>Cellular localization</b>	Nucleus . Cytoplasm . Nuclear localization depends on ligand binding, phosphorylation and sumoylation (PubMed:19850744). Translocation to the nucleus in the absence of ligand is dependent on activation of PKC and the downstream MAPK phosphorylation (By similarity). Increased nuclear localization upon pulsatile shear stress (PubMed:28167758). .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	51kD
<b>Human Gene ID</b>	5914
<b>Human Swiss-Prot Number</b>	P10276
<b>Alternative Names</b>	RARA; NR1B1; Retinoic acid receptor alpha;



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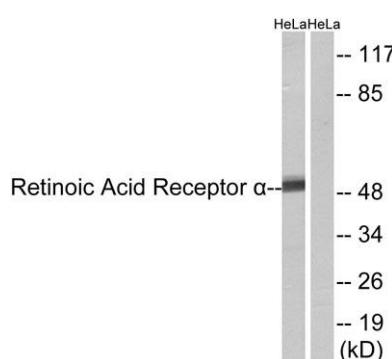


## Background

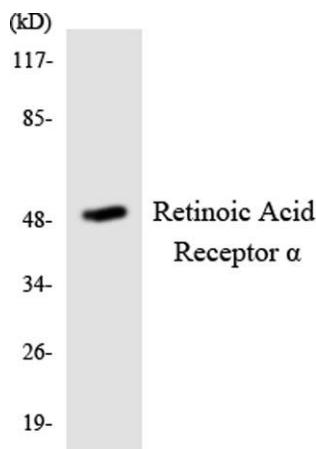
**RAR-alpha; Nuclear receptor subfamily 1 group B member 1**

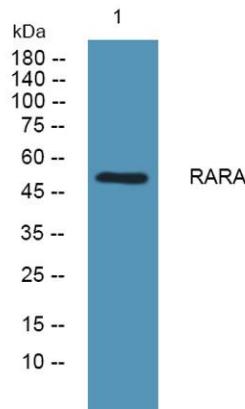
This gene represents a nuclear retinoic acid receptor. The encoded protein, retinoic acid receptor alpha, regulates transcription in a ligand-dependent manner. This gene has been implicated in regulation of development, differentiation, apoptosis, granulopoiesis, and transcription of clock genes. Translocations 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],

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.

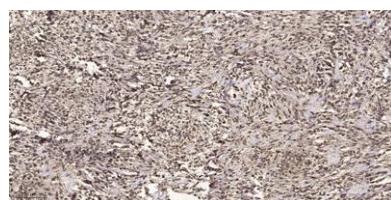


Western blot analysis of the lysates from HepG2 cells using Retinoic Acid Receptor  $\alpha$  antibody.





Western blot analysis of lysates from KB cells, primary antibody was diluted at 1:1000, 4°over night



Immunohistochemical analysis of paraffin-embedded human small intestinal carcinoma tissue. 1,primary Antibody was diluted at 1:200(4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200



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