
Product Name: KD-Validated Retinoic Acid Receptor Alpha Recombinant Rabbit Monoclonal Antibody

Catalog #: KVAAb00943

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 50.8kDa

Antigen Information

Gene Name	RARA
Alternative Names	RARA; Retinoic Acid Receptor Alpha; RAR-Alpha; NR1B1; RARalpha; RAR; Nuclear Receptor Subfamily 1 Group B Member 1; Nucleophosmin-Retinoic Acid Receptor Alpha Fusion Protein NPM-RAR Long Form; Retinoic Acid Receptor, Alpha Polypeptide; Retinoic Acid Receptor, Alpha; PML-DDX5-RARA Fusion Protein; PML-DDX5-RARA Fusion
Gene ID	5914.0
SwissProt ID	P10276
Immunogen	A synthesized peptide derived from human Retinoic Acid Receptor alpha

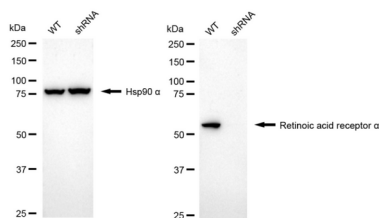
Background

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]

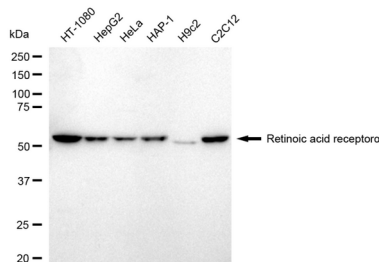
Research Area

Epigenetics and Nuclear Signaling,Cancer,Signal Transduction,Metabolism

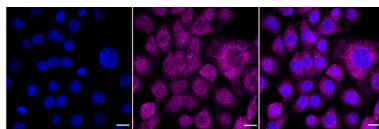
Image Data



Western blotting analysis using Retinoic Acid Receptor alpha antibody (KVA00943). Retinoic Acid Receptor alpha expression in wild type (WT) and Retinoic Acid Receptor alpha shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Retinoic Acid Receptor alpha antibody (KVA00943, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Retinoic acid receptor alpha antibody (KVA00943). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Retinoic acid receptor alpha antibody (KVA00943, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with Retinoic acid receptor alpha antibody (KVA00943, 1:1,000). Nuclei were stained blue with DAPI; Retinoic acid receptor alpha was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.