

Product Name: KD-Validated Retinoid X Receptor Alpha Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01479

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,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; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 50.8kDa

Antigen Information

Gene Name	RXRA RXRA; Retinoid X Receptor Alpha; NR2B1; Nuclear Receptor Subfamily 2 Group B Member 1;
Alternative Names	Retinoic Acid Receptor RXR-Alpha; RXR-Alpha; RXRalpha; Retinoid X Nuclear Receptor Alpha; Retinoid X Receptor, Alpha; RXR-ALPHA; RXRALPHA
Gene ID	6256.0
SwissProt ID	P19793
Immunogen	A synthesized peptide derived from human Retinoid X Receptor alpha

Background

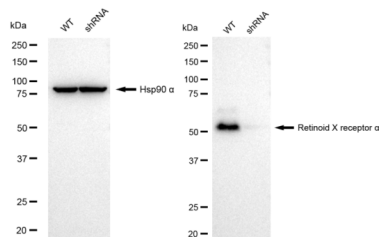
Retinoid X receptors (RXRs) and retinoic acid receptors (RARs) are nuclear receptors that mediate the biological effects of

retinoids by their involvement in retinoic acid-mediated gene activation. These receptors function as transcription factors by binding as homodimers or heterodimers to specific sequences in the promoters of target genes. The protein encoded by this gene is a member of the steroid and thyroid hormone receptor superfamily of transcriptional regulators. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, May 2014]

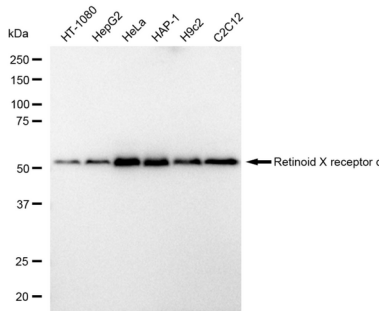
Research Area

Epigenetics and Nuclear Signaling, Signal Transduction, Cancer, Metabolism, Neuroscience

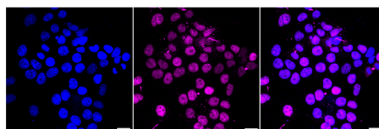
Image Data



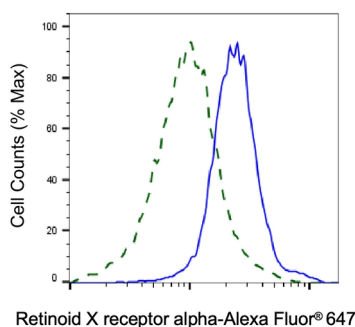
Western blotting analysis using Retinoid X receptor alpha antibody (KVA01479). Retinoid X receptor alpha expression in wild type (WT) and retinoid X receptor alpha shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Retinoid X receptor alpha antibody (KVA01479, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



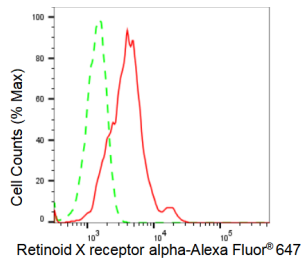
Western blotting analysis using Retinoid X receptor alpha antibody (KVA01479). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Retinoid X receptor alpha antibody (KVA01479, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with Retinoid X receptor alpha antibody (KVA01479, 1:1,000). Nuclei were stained blue with DAPI; Retinoid X 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 μ m.



Validation of Retinoid X receptor alpha knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with Retinoid X receptor alpha antibody (KVA01479, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Retinoid X receptor alpha expression in HeLa cells using Retinoid X receptor alpha antibody (KVA01479, 1:2,000). Green, isotype control; red, Retinoid X receptor alpha.