

Retinoid X Receptor alpha Rabbit mAb

Catalog No: #52553

Package Size: #52553-1 50ul #52553-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

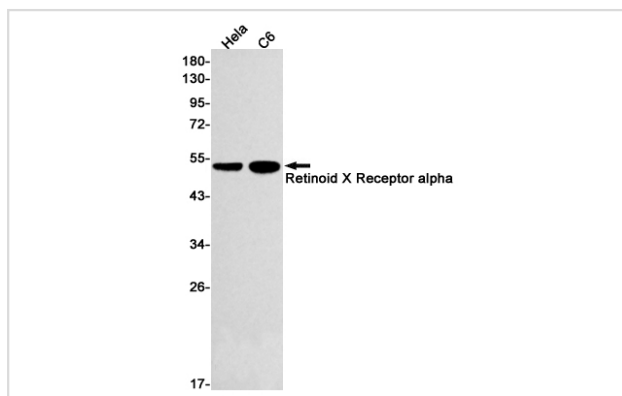
Description

Product Name	Retinoid X Receptor alpha Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S04-6C3
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human Retinoid X Receptor alpha
Conjugates	Unconjugated
Modification	Unmodification
Other Names	NR2B1
Accession No.	Swiss-Prot:P19793GenelD:6256
Uniprot	P19793
GenelD	6256
Calculated MW	Calculated MW: 51 kDa; Observed MW: 51 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

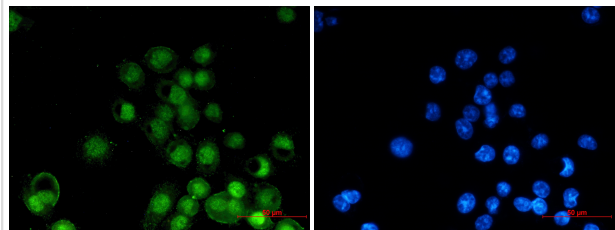
Application Details

WB: 1/1000-1/2000; ICC/IF: 1/20-1/100;

Images



Western blot detection of Retinoid X Receptor alpha in HeLa, C6 cell lysates using Retinoid X Receptor alpha Rabbit mAb (1:500 diluted). Predicted band size: 51 kDa. Observed band size: 51 kDa.



Immunocytochemistry of Retinoid X Receptor alpha (green) in MCF-7 using Retinoid X Receptor alpha antibody at dilution 1/20, and DAPI(blue)

Background

Swiss-Prot Acc.P19793.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 RAR/RXR heterodimers bind to the retinoic acid response elements (RARE) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5. The high affinity ligand for RXRs is 9-cis retinoic acid. RXRA serves as a common heterodimeric partner for a number of nuclear receptors. 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. The RXRA/PPARA heterodimer is required for PPARA transcriptional activity on fatty acid oxidation genes such as ACOX1 and the P450 system genes.

Note: This product is for in vitro research use only