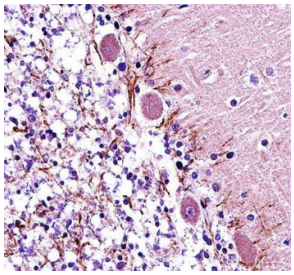
RAR alpha Antibody / RARA (F54372)

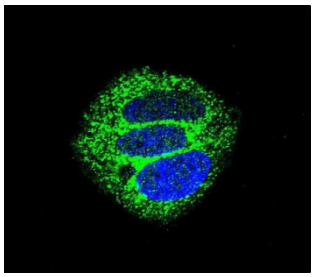
Catalog No.	Formulation	Size
F54372-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54372-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

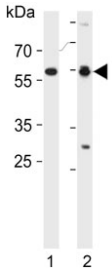
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P10276
Applications	Western Blot : 1:500-1:2000 Flow Cytometry : 1:25 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:25 Immunofluorescence : 1:25
Limitations	This RAR alpha antibody is available for research use only.



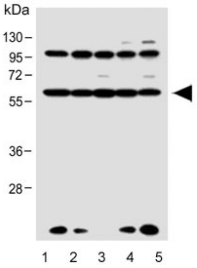
IHC testing of FFPE mouse cerebellum tissue with RAR alpha antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



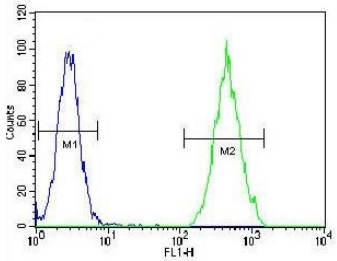
Immunofluorescent staining of fixed and permeabilized human MCF7 cells with Cytokeratin 18 antibody (green) and DAPI nuclear stain (blue).



Western blot testing of 1) human HL60 and 2) mouse testis lysate with RAR alpha antibody. Predicted molecular weight ~51 kDa.



Western blot testing of human 1) HL60, 2) MCF7, 3) HepG2, 4) HeLa and 5) T-47D cell lysate with RAR alpha antibody. Predicted molecular weight ~51 kDa.



Flow cytometry testing of human HeLa cells with RAR alpha antibody; Blue=isotype control, Green= RAR alpha antibody.

Description

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, granulopoeisis, 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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the RAR alpha antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 322-349 from the human protein were used as the immunogen for the RAR alpha antibody.

Storage

Aliquot the RAR alpha antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.