

RARA Recombinant monoclonal antibody

Catalog Number: 88230-1-RR

Basic Information

Catalog Number:

88230-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0420

GenBank Accession Number:

BC008727

GeneID (NCBI):

5914

UNIPROT ID:

P10276

Full Name:

retinoic acid receptor, alpha

Calculated MW:

51 kDa

Observed MW:

50-60 kDa

Purification Method:

Protein A purification

CloneNo.:

260537D9

Recommended Dilutions:

WB: 1:500-1:2000

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : MCF-7 cells, T-47D cells

IF/ICC : A549 cells,

Background Information

Retinoic acid receptors (RARs) function as nuclear receptors that control gene expression in response to binding of the ligand retinoic acid (RA). Retinoic acid receptor alpha (RAR α), also known as NR1B1 (nuclear receptor subfamily 1, group B, member 1), plays an essential role in the regulation of retinoic acid-induced germ cell development during spermatogenesis. Formation of a complex with histone deacetylases might lead to inhibition of RARE DNA element binding and to transcriptional repression (PubMed:28167758). Transcriptional activation and RARE DNA element binding might be supported by the transcription factor KLF2 (PubMed:28167758).

Storage

Storage:

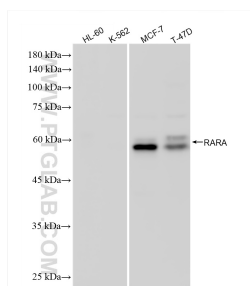
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

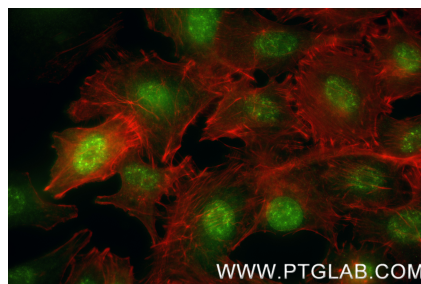
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88230-1-RR (RARA antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using RARA antibody (88230-1-RR, Clone: 260537D9) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).