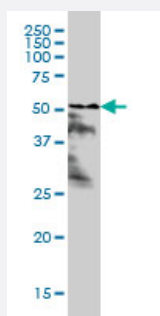


RARA monoclonal antibody (M02), clone 1C10

Catalog # H00005914-M02

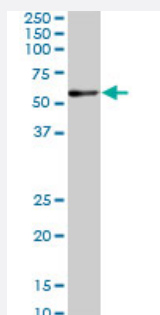
Size 100 ug

Applications



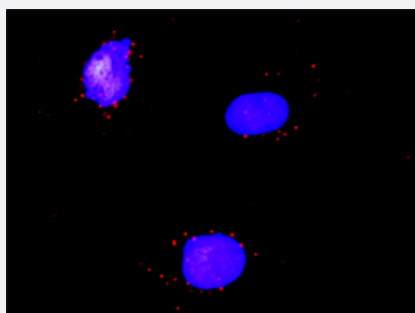
Western Blot (Cell lysate)

RARA monoclonal antibody (M02), clone 1C10 Western Blot analysis of RARA expression in HeLa S3 NE (Cat # L013V3).



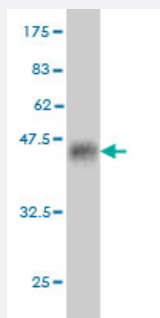
Western Blot (Cell lysate)

RARA monoclonal antibody (M02), clone 1C10. Western Blot analysis of RARA expression in NIH/3T3 (Cat # L018V1).



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between RXRA and RARA. HeLa cells were stained with anti-RXRA rabbit purified polyclonal 1:1200 and anti-RARA mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant RARA.
Immunogen	RARA (NP_000955, 315 a.a. ~ 424 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	QLLPLEMDDAETGLLSAICLICGDRQDLEQPDRVDMLEPLLEALKVYVRKRRPSRPHMFPKML MKITDLRSISAKGAERVITLKMEIPGSMPLIQEMLENSEGLDTLS
Host	Mouse
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

RARA monoclonal antibody (M02), clone 1C10 Western Blot analysis of RARA expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Cell lysate)

RARA monoclonal antibody (M02), clone 1C10. Western Blot analysis of RARA expression in NIH/3T3 (Cat # L018V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

- In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between RXRA and RARA. HeLa cells were stained with anti-RXRA rabbit purified polyclonal 1:1200 and anti-RARA mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — RARA

Entrez GeneID [5914](#)

GeneBank Accession# [NM_000964](#)

Protein Accession# [NP_000955](#)

Gene Name RARA

Gene Alias NR1B1, RAR

Gene Description retinoic acid receptor, alpha

Omim ID [180240](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Retinoid signaling is transduced by 2 families of nuclear receptors, retinoic acid receptor (RAR) and retinoid X receptor (RXR; see MIM 180245), which form RXR/RAR heterodimers. In the absence of ligand, DNA-bound RXR/RARA represses transcription by recruiting the corepressors NCO R1 (MIM 600849), SMRT (NCOR2; MIM 600848), and histone deacetylase (see MIM 601241). When ligand binds to the complex, it induces a conformational change allowing the recruitment of co activators, histone acetyltransferases (see MIM 603053), and the basic transcription machinery. Translocations that always involve rearrangement of the RARA gene are a cardinal feature of acute promyelocytic leukemia (APL; MIM 612376). The most frequent translocation is t(15,17)(q21;q22), which fuses the RARA gene with the PML gene (MIM 102578) (Vitoux et al., 2007 [PubMed 174 68032]).[supplied by OMIM

Other Designations

OTTHUMP00000164454|OTTHUMP00000164456|Retinoic acid receptor, alpha polypeptide|nucleophosmin-retinoic acid receptor alpha fusion protein NPM-RAR long form

Pathway

- [Acute myeloid leukemia](#)
- [Pathways in cancer](#)

Disease

- [Alcoholism](#)
- [Alzheimer disease](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Liver Cirrhosis](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)

- [Myopia](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Schizophrenia](#)