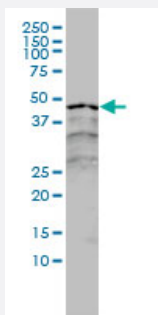


RARA monoclonal antibody (M01), clone 2C9-1F8

Catalog # H00005914-M01

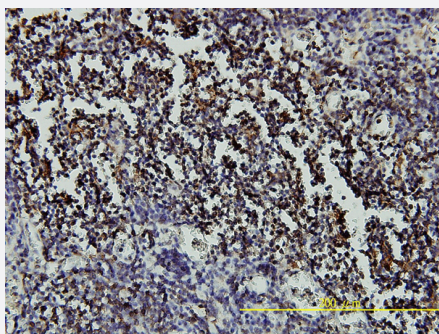
Size 100 ug

Applications



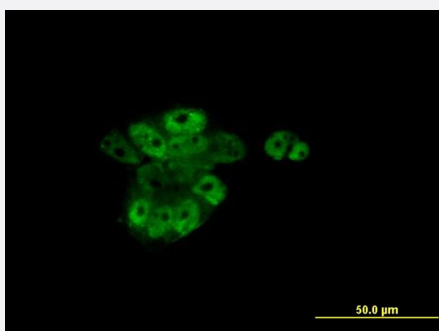
Western Blot (Cell lysate)

RARA monoclonal antibody (M01), clone 2C9-1F8 Western Blot analysis of RARA expression in A-431 (Cat # L015V1).



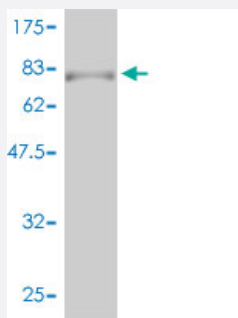
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to RARA on formalin-fixed paraffin-embedded human lymph node tissue. [antibody concentration 5 ug/ml]



Immunofluorescence

Immunofluorescence of monoclonal antibody to RARA on A-431 cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (76.56 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant RARA.
Immunogen	RARA (AAH08727, 1 a.a. ~ 462 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MASNSSSCPTPGGGHLNGYPVPPYAFFFPMLGGLSPPGALTTLQHQLPVSGYSTPSPATIENTQS SSSEIVPSPSPPLPRMYKPCFVCQDKSSGYHYGVSACEGCKGFFRRSIQKNMYYTCHRDKNC IINKVTRNRCQYCRQLQKCFEVGMSKESVRNDRNKKKKEVPKPECSESYLTPEVGELIEKVRKAH QETFPALCQLGKYTTNNSSEQRVSLDIDLWDFSELSTKCIKTVEFAKQLPGFTTLTIADQITLLKA ACLDILILRICTRYTPEQDTMTFSDGLTLNRTQMHNAGFGPLTDLVFAFANQLLPLEMDDAETGLLS AICLICGDRQDLEQPDRVDMLQEPLLEALKVYVRKRRPSRPHMFPKMLMKITDLRSISAKGAERVI TLKMEIPGSMPLIQEMLENSEGLDTLSGQPGGGGRDGGGLAPPPGSCSPSLSPSSNRSSPATH SP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (96)
Isotype	IgG2a kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (76.56 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 (M01), clone 2C9-1F8 Western Blot analysis of RARA expression in A-431 (Cat # L015V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to RARA on formalin-fixed paraffin-embedded human lymph node tissue. [antibody concentration 5 ug/ml]

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to RARA on A-431 cell. [antibody concentration 10 ug/ml]

Gene Info — RARA

Entrez GeneID	5914
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GeneBank Accession#	BC008727
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Protein Accession#	AAH08727
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Gene Name	RARA
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Gene Alias	NR1B1, RAR
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Gene Description	retinoic acid receptor, alpha
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Omim ID	180240
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Gene Ontology	Hyperlink
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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 coactivators, 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 17468032]).[supplied by OMIM]

Other Designations

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

Publication Reference

- [Profound gene expression changes in the epithelial monolayer of active ulcerative colitis and Crohn's disease.](#)

Siri Sæterstad, Ann Elisabet Østvik, Elin Synnøve Røyset, Ingunn Bakke, Arne Kristian Sandvik, Atle van Beelen GranlundID.

PLoS One 2022 Mar; 17(3):e0265189.

Application: IHC, Human, Epithelial cells

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](#)
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