

RXRA Monoclonal Antibody

Catalog No. E-AB-27338

Note: Centrifuge before opening to ensure complete recovery of vial contents.

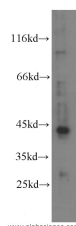
Description

| | |
|---------------------|--|
| Reactivity | Human,Mouse |
| Immunogen | Fusion protein of RXRA |
| Host | Mouse |
| Isotype | IgG1 |
| Clone | Clone:802 |
| Purification | Protein G purification |
| Conjugation | Unconjugated |
| Buffer | PBS with 0.02% sodium azide, 50% glycerol, PH7.3 |

Applications Recommended Dilution

WB 1:200-1:1000

Data



Western Blot analysis of HeLa cells using RXRA
Monoclonal Antibody at dilution of 1:100

Observed Mw:44kDa
Calculated Mw:17.8kDa

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

Retinoid X receptor alpha (RXRA). 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. The RXR/RAR heterodimers bind to the retinoic acid response elements (RARE) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5. 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.

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