



Product Information Sheet

Polyclonal Anti- LXR α (Magnetic Bead Conjugate)

Catalogue No. PA1246-M	Immunogen
Lot No. 09G01	A synthetic peptide corresponding to a sequence at the C-terminal of human LXR α , identical to the related rat and mouse sequence.
Ig type: rabbit IgG1	Purification
Size: 100 μ g/Vial	Immunogen affinity purified
Specificity	Contents
Rat.	Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN ₃ .
No cross reactivity with other proteins.	Storage
	Store at 4°C for frequent use.
Recommended application	Description:
<i>Immunoprecipitation(IP)</i>	This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation

BACKGROUND

LXRA is a tissue-specific cofactor that permits RXRA to function as a potent 9cRA receptor with a distinct target gene specificity.¹ It specifically interacts with RXRA in vivo to form a functional heterodimer in which RXRA is the ligand-binding subunit. Additionally, LXR activity is critical for physiologic lipid metabolism and transport.² LXRs are endogenous inhibitors of atherogenesis and are targets for therapeutic intervention in cardiovascular disease. Furthermore, LXRs and their ligands are negative regulators of macrophage inflammatory gene expression.³ LXR is also found that as a transcriptional switch that integrates hepatic glucose metabolism and fatty acid synthesis.⁴ The LXR-IDOL-LDLR axis defines a complementary pathway to sterol response element-binding proteins for sterol regulation of cholesterol uptake.⁵

REFERENCE

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