

## Anti human LXR alpha mouse monoclonal antibody

LXR alpha: Liver X Receptor alpha

<b>Code No</b>	PP-K8607-10	<b>Application / Recommended Concentration</b>	In order to obtain the best results, optimal working dilutions should be determined by each individual user.
<b>Clone No.</b>	K8607	<b>Western Blot</b>	2 ug/mL
<b>Batch</b>	A2F1	<b>Non-reducing Western Blot</b>	Not yet tested
<b>Size</b>	100ug lyophilized antibody	<b>ELISA</b>	0.3 ug/mL
<b>Formulation</b>	Lyophilized from phosphate-buffered saline (PBS) containing 5% Trehalose as a stabilizer.	<b>Immunoprecipitation</b>	Decide by use
<b>Ig Class</b>	G2a	<b>Supershift Assay</b>	Decide by use
<b>Nomenclature</b>	NR1H3	<b>Chromatin immunoprecipitation</b>	Decide by use
<b>Genbank</b>	U22662	<b>Immunohistochemistry</b>	Not yet tested
<b>Description</b>	Liver X receptor alpha (LXRα, RLD-1; NR1H3) is a member of orphan nuclear receptor. LXRα activator is the naturally occurring compound 22(R)-hydroxycholesterol (22(R)-HC), 20(S)HC, 24-HC, 25-HC, 7α-HC. LXRα is expressed in the liver, kidney and spleen. LXRα has important role in regulating cholesterol metabolism. It is believed that LXR specific agonist may have important medical applications in the regulation of cholesterol homeostasis. LXRα forms heterodimer with RXR.		
<b>Origin</b>	Produced in BALB/c mouse ascites after inoculation with hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with Baculovirus-expressed recombinant human LXR alpha (2-97 aa) .		
<b>Specificity</b>	This antibody specifically recognizes LXR alpha and does not recognize human LXR beta. Not yet tested in other species.		
<b>Purification</b>	Ammonium sulfate fractionation.		
<b>Reconstitution</b>	Reconstitute with desired volume of distilled water. Reconstitution in 0.1 ml of distilled water yields an antibody concentration of 1mg/ml. Please note reconstituted solution will contain original PBS and 5% Treharose (see Formulation).		
<b>Storage</b>	Lyophilized samples are stable for twelve months when held at 2 - 8 C. Upon reconstitution, the antibody can be stored at 2 - 8 C up to one month. For long-term storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. Storage in a frost-free freezer is not recommended.		
<b>Reference</b>	Watanabe Y, et al., Nuclear Receptor, 1: 1, 2003,		
<b>Notes</b>			

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