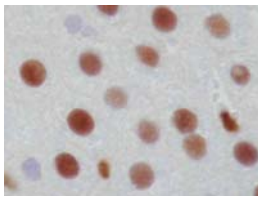
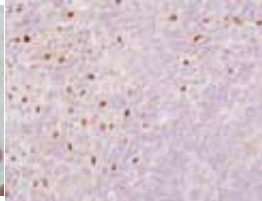


## Anti human LXR alpha Ligand Binding Domain mouse monoclonal antibody

LXR alpha: Liver X Receptor alpha

<b>Code No</b>	PP-PPZ0412-10	<b>Application / Recommended Concentration</b>	
<b>Clone No.</b>	PPZ0412	In order to obtain the best results, optimal working dilutions should be determined by each individual user.	
<b>Batch</b>	A2F1	<b>Western Blot</b>	1 ug/mL
<b>Size</b>	100ug lyophilized antibody	<b>Non-reducing Western Blot</b>	Not yet tested
<b>Formulation</b>	Lyophilized from phosphate-buffered saline (PBS) containing 5% Trehalose as a stabilizer.	<b>ELISA</b>	0.2 ug/mL
<b>Ig Class</b>	G2a	<b>Immunoprecipitation</b>	Decide by use
<b>Nomenclature</b>	NR1H3	<b>Supershift Assay</b>	Decide by use
<b>Genbank</b>	U22662	<b>Chromatin immunoprecipitation</b>	Decide by use
<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 E.coli-expressed recombinant human LXR alpha (164-447 aa).	<b>Rat Liver Hepatocyte, Kupffer cell paraffin section</b>	<b>Rat Spleen Macrophage paraffin section</b>
<b>Specificity</b>	This antibody specifically recognizes human LXR alpha and cross reacts with mouse and rat LXR alpha. This antibody does not recognize human LXR beta.	<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>Purification</b>	Ammonium sulfate fractionation.	<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>	Blaschke F, et al., Circ Res. 2004 Dec 10;95(12):e1110-23. Watanabe Y, et al., Arterioscler Thromb Vasc Biol. 2005 Mar;25(3):622-7 Sakamoto A, et al., J Histochem Cytochem. 2007 Jun; 55 (6):641-9
		<b>Notes</b>	

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**MADE IN JAPAN**

Dec 16, 2008