

Anti-LXR alpha Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

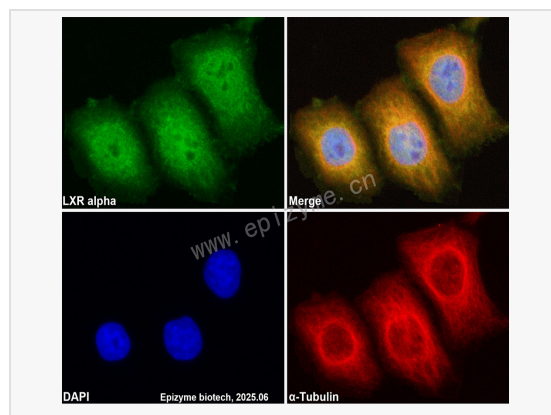
Catalog # R011763

Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	12K97M67
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human LXR alpha
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-LXR alpha Rabbit mAb [12K97M67] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Liver X receptor alpha; LXR a; LXRA; NR1H3; NR1H3_HUMAN; Nuclear receptor subfamily 1 group H member 3; Oxysterols receptor LXR alpha; Oxysterols receptor LXR-alpha; RLD 1; RLD1.
Calculated MW	Calculated MW: 50 kDa; Observed MW: 50 kDa
Uniprot ID	Q13133
Gene ID	10062
Background	The protein encoded by this gene belongs to the NR1 subfamily of the nuclear receptor superfamily. The NR1 family members are key regulators of macrophage function, controlling transcriptional programs involved in lipid homeostasis and inflammation. This protein is highly expressed in visceral organs, including liver, kidney and intestine. It forms a heterodimer with retinoid X receptor (RXR), and regulates expression of target genes containing retinoid response elements. Studies in mice lacking this gene suggest that it may play an important role in the regulation of cholesterol homeostasis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]
Cellular Location	Nucleus.
Tissue Location	Visceral organs specific expression. Strong expression was found in liver, kidney and intestine followed by spleen and to a lesser extent the adrenals.



Immunofluorescence - Anti-LXR alpha Rabbit mAb [12K97M67]

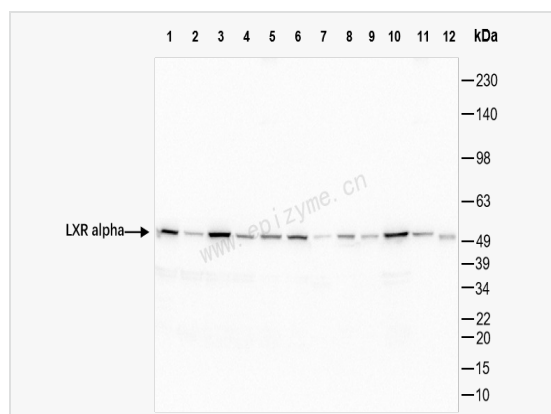
Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R011763 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).



Western Blot - Anti-LXR alpha Rabbit mAb [12K97M67]

All lanes: R011763 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: Huh1 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 4: 293T (Human embryonic kidney cell) whole cell lysates

Lane 5: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

Lane 6: SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates

Lane 7: Mouse heart whole tissue lysates

Lane 8: Mouse liver whole tissue lysates

Lane 9: Mouse brain whole tissue lysates

Lane 10: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lane 11: Rat muscle whole tissue lysates

Lane 12: Rat brain whole tissue lysates

Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 50 kDa

Observed band size: 50 kDa

Developed using the ECL technique (Cat. No. SQ201).