Best Tools for immunology Research

LXRα Polyclonal Antibody

Catalog No :	YT5143
Reactivity :	Human;Mouse;Rat;Golden hamster
Applications :	WB;IHC;IF;ELISA
Target :	LXRα
Fields :	>>PPAR signaling pathway;>>Insulin resistance;>>Non-alcoholic fatty liver disease;>>Hepatitis C
Gene Name :	NR1H3
Protein Name :	Oxysterols receptor LXR-alpha
Human Gene Id :	10062
Human Swiss Prot No :	Q13133
Mouse Gene Id :	22259
Mouse Swiss Prot No :	Q9Z0Y9
Rat Swiss Prot No :	Q62685
Immunogen :	The antiserum was produced against synthesized peptide derived from the Internal region of human NR1H3. AA range:151-200
Specificity :	LXRα Polyclonal Antibody detects endogenous levels of LXRα protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 50kD

Cell Pathway : PPAR;

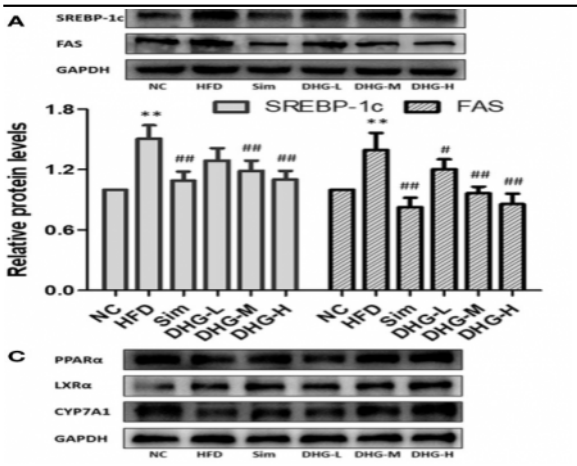
Background : The protein encoded by this gene belongs to the NR1 subfamily of the nuclear receptor superfamily. The NR1 family members are key regulators of macrophage function, controlling transcriptional programs involved in lipid homeostasis and inflammation. This protein is highly expressed in visceral 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],

Function : function:Orphan receptor. Interaction with RXR shifts RXR from its role as a silent DNA-binding partner to an active ligand-binding subunit in mediating retinoid responses through target genes defined by LXRES. LXRES are DR4-type response elements characterized by direct repeats of two similar hexanuclotide half-sites spaced by four nucleotides. Plays an important role in the regulation of cholesterol homeostasis.,induction:By 9-cis retinoic acid (9CRA).,similarity:Belongs to the nuclear hormone receptor family.,similarity:Belongs to the nuclear hormone receptor family. NR1 subfamily.,similarity:Contains 1 nuclear receptor DNA-binding domain.,subunit:Heterodimer of LXRA and RXR.,tissue specificity:Visceral organs specific expression. Strong expression was found in liver, kidney and intestine followed by spleen and to a lesser extent the adrenals.,

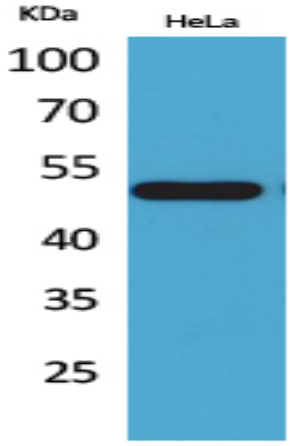
Subcellular Location : Nucleus . Cytoplasm .

Expression : Visceral organs specific expression. Strong expression was found in liver, kidney and intestine followed by spleen and to a lesser extent the adrenals.

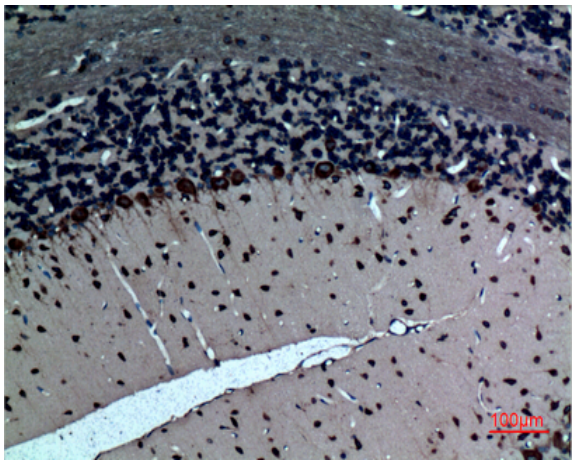
Products Images



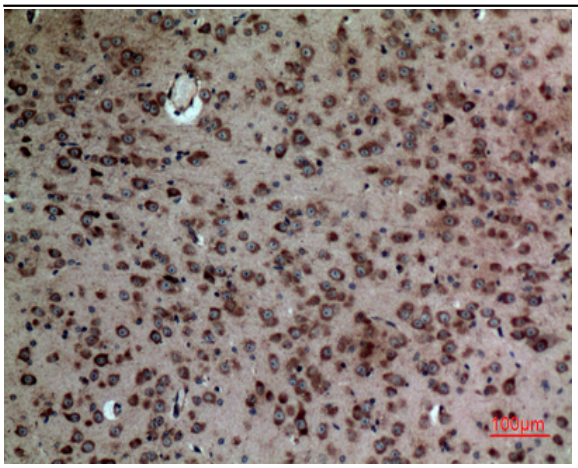
Chen, Kuikui, et al. "Investigation of the lipid-lowering mechanisms and active ingredients of Danhe granule on hyperlipidemia based on systems pharmacology." Frontiers in pharmacology 11 (2020): 528.



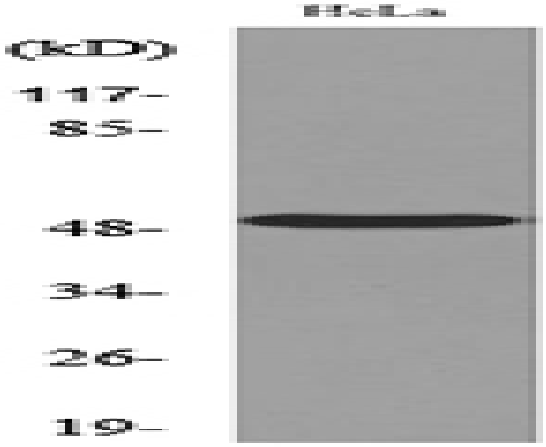
Western Blot analysis of HeLa cells using LXRα Polyclonal Antibody. Antibody was diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded mouse-brain, antibody was diluted at 1:100



Western blot analysis of lysate from HeLa cells, using NR1H3 Antibody.