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[KD Validated] LXR beta/NER Rabbit mAb

Catalog No.: A27712 Recombinant

Basic Information

Observed MW
63kDa

Calculated MW
51kDa

Category
Primary antibody

Applications
WB,IP,ELISA

Cross-Reactivity
Human

CloneNo number
ARC69989

Background

The liver X receptors, LXRA (NR1H3; MIM 602423) and LXRB, form a subfamily of the nuclear receptor superfamily and are key regulators of macrophage function, controlling transcriptional programs involved in lipid homeostasis and inflammation. The inducible LXRA is highly expressed in liver, adrenal gland, intestine, adipose tissue, macrophages, lung, and kidney, whereas LXRB is ubiquitously expressed. Ligand-activated LXRs form obligate heterodimers with retinoid X receptors (RXRs; see MIM 180245) and regulate expression of target genes containing LXR response elements (summary by Korf et al., 2009 [PubMed 19436111]).

Recommended Dilutions

WB	1:6500 - 1:26000
IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
7376

Swiss Prot
P55055

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
NER; UNR; LXRB; LXR-b; NER-I; RIP15

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Product Information

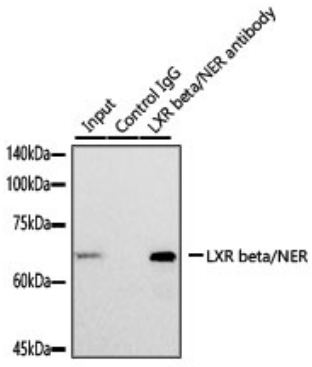
Source
Rabbit

Isotype
IgG

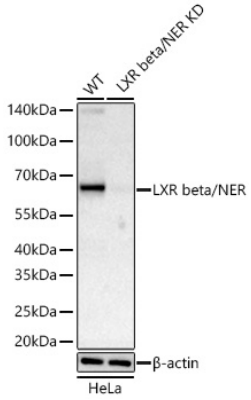
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Immunoprecipitation of LXR beta/NER from 300 µg extracts of HeLa cells was performed using 0.5 µg of [KD Validated] LXR beta/NER Rabbit mAb (A27712). Rabbit IgG isotype control (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1X reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using [KD Validated] LXR beta/NER Rabbit mAb (A27712) at a dilution of 1:10000.



Western blot analysis of lysates from wild type (WT) and LXR beta/NER knockdown (KD) HeLa cells using [KD Validated] LXR beta/NER Rabbit mAb (A27712) at 1:13000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.