

hTHPO(NMG)

Nomenclature NOD-*Prkdc*^{scid} *Il2rg*^{em1} *Thpo*^{tm(hTHPO)Smoc}

Cat. NO. NM-HU-220429

Strain State Repository Live

Gene Summary

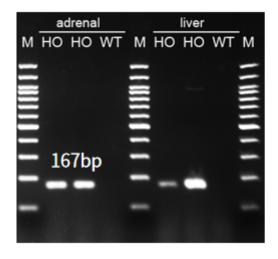
Gene Symbol Thpo	Synonyms	Ml, Tpo, Mgdf, Mpllg
	NCBI ID	21832
	MGI ID	<u>101875</u>
	Ensembl ID	ENSMUSG00000022847
	Human Ortholog	THPO

Model Description

The hTHPO(NM-HU-2000062) mice were backcrossed to NMG genetic background, to create the new strain of hTHPO(NMG) (NM-HU-220429) mice.

*Literature published using this strain should indicate: hTHPO(NMG) mice (Cat. NO. NM-HU-220429) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data



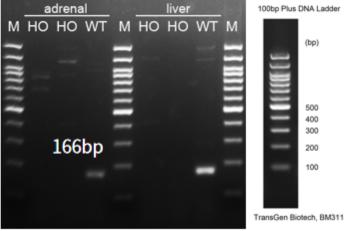




Fig.1 Detection of THPO expression in adrenal and liver by RT-PCR.

Wild type: only one band at 166 bp with primers F1/R1(mThpo);

Homozygous: only one band at 167 bp with primers F2/R2(hTHPO).

Abbr. M, DNA marker; HO, homozygous; WT, wild type.

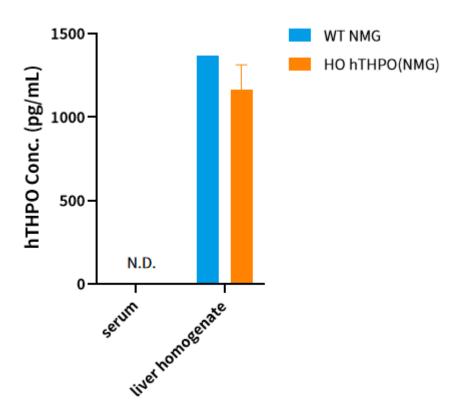


Fig.2 Detection of hTHPO expression in serum and liver homogenate by ELISA (male, 6-11wks).

Abbr. HO, Homozygous; WT, wild type.

Note. hTHPO(NMG) and NMG mice were i.p. injected with LPS. The Human Thrombopoietin ELISA Kit cross-reacted with mouse THPO and humanized THPO.

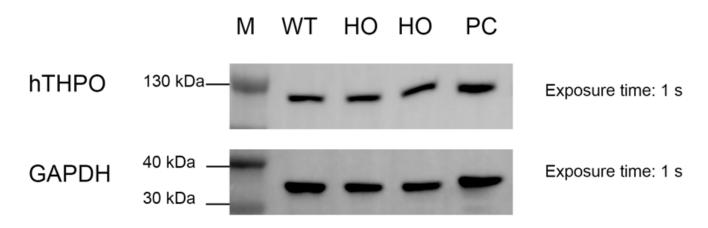


Fig.3 Detection of hTHPO expression in hTHPO(NMG) mice by WB.



Abbr. M, marker; WT, wild type; PC, positive control, Hela cells.

Note. The anti-human THPO Antibody cross-reacted with mouse THPO and humanized THPO.