Rev-erbα (phospho-Ser55/59) mouse mAb

Catalog No	BYmab-03303
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	NR1D1 EAR1 HREV THRAL
Protein Name	Rev-erbα (Ser55/59)
Immunogen	Synthesized phosho peptide around human Rev-erbα (Ser55 and 59)
Specificity	This antibody detects endogenous levels of Human Rev-erbα (phospho-Ser55 or 59)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Nuclear receptor subfamily 1 group D member 1 (Rev-erbA-alpha) (V-erbA-related protein 1) (EAR-1)
Observed Band	67kD
Cell Pathway	Nucleus . Cytoplasm . Cell projection, dendrite . Cell projection, dendritic spine . Localizes to the cytoplasm, dendrites and dendritic spine in the presence of OPHN1. Localizes predominantly to the nucleus at ZT8 whereas it is cytoplasmic at ZT20. Phosphorylation by CSNK1E enhances its cytoplasmic localization. .
Tissue Specificity	Widely expressed. Expressed at high levels in the liver, adipose tissue, skeletal muscle and brain. Also expressed in endothelial cells (ECs), vascular smooth muscle cells (VSMCs) and macrophages. Expression oscillates diurnally in the suprachiasmatic nucleus (SCN) of the hypothalamus as well as in peripheral tissues. Expression increases during the differentiation of pre-adipocytes into mature adipocytes. Expressed at high levels in some squamous carcinoma cell lines.
Function	domain:Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal steroid-binding domain.,function:Functions as a constitutive transcriptional repressor. Possible receptor for

	triiodothyronine.,similarity:Belongs to the nuclear hormone receptor family. NR1 subfamily.,similarity:Contains 1 nuclear receptor DNA-binding domain.,subunit:Interacts with C1D.,tissue specificity:Expressed in all tissues and cell lines examined. Expressed at high levels in some squamous carcinoma cell lines.,
Background	This gene encodes a transcription factor that is a member of the nuclear receptor subfamily 1. The encoded protein is a ligand-sensitive transcription factor that negatively regulates the expression of core clock proteins. In particular this protein represses the circadian clock transcription factor aryl hydrocarbon receptor nuclear translocator-like protein 1 (ARNTL). This protein may also be involved in regulating genes that function in metabolic, inflammatory and cardiovascular processes. [provided by RefSeq, Jan 2013],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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