

anti- BHLHE41 antibody

Product Information

Catalog No.:	FNab00889
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Transcriptional repressor involved in the regulation of the circadian rhythm by negatively regulating the activity of the clock genes and clock-controlled genes. Acts as the negative limb of a novel autoregulatory feedback loop(DEC loop) which differs from the one formed by the PER and CRY transcriptional repressors(PER/CRY loop). Both these loops are interlocked as it represses the expression of PER1 and in turn is repressed by PER1/2 and CRY1/2. Represses the activity of the circadian transcriptional activator: CLOCK-ARNTL/BMAL1 heterodimer by competing for the binding to E-box elements(5'-CACGTG-3') found within the promoters of its target genes. Negatively regulates its own expression and the expression of DBP and BHLHE41/DEC2. Acts as a corepressor of RXR and the RXR-LXR heterodimers and represses the ligand-induced RXRA/B/G, NR1H3/LXRA, NR1H4 and VDR transactivation activity.

Immunogen information

Immunogen:	basic helix-loop-helix family, member e41
Synonyms:	BHLHB3, DEC2, SHARP1
Observed MW:	51 kDa, 75 kDa
Uniprot ID :	Q9C0J9

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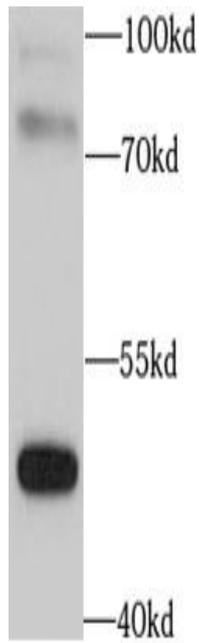
Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, WB

Recommended dilution: WB: 1:1000-1:2000

Image:



mouse lung tissue were subjected to SDS PAGE followed by western blot with FNab00889(BHLHE41 antibody) at dilution of 1:1000

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