Datasheet for ABIN5571245

Leptin Protein (LEP)

2 Images

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Overview

Quantity:	1 mg
Target:	Leptin (LEP)
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	SDS-PAGE (SDS), Functional Studies (Func)

Product Details

Purpose:	Lep (Mouse) Recombinant Protein
Sequence:	MVPIQKVQDD TKTLIKTIVT RINDISHTQS VSAKQRVTGL DFIPGLHPIL SLSKMDQTLA VYQQVLTSLP SQNVLQIAND LENLRDLLHL LAFSKSCSLP QTSGLQKPES LDGVLEASLY STEVVALSRL QGSLQDILQQ LDVSPEC
Characteristics:	Mouse Lep (Q544U0) recombinant protein expressed in *Escherichia coli*. This product with activity data is belong to bioactive protein.
Purification:	Escherichia coli expression system

Target Details

Target:	Leptin (LEP)
Alternative Name:	Lep (LEP Products)
Background:	Full Gene Name: leptin

Target Details

	Synonyms: ob,obese
Gene ID:	16846
Pathways:	JAK-STAT Signaling, AMPK Signaling, Hormone Transport, Peptide Hormone Metabolism, Hormone Activity, Negative Regulation of Hormone Secretion, Regulation of Carbohydrate Metabolic Process, Feeding Behaviour, Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	*Escherichia coli* expression system Product Quality tested by: 1 ug/lane in 4-20% Tris-Glycine gel Stained with Coomassie Blue
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized with 0.1 % TFA.
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C

Images

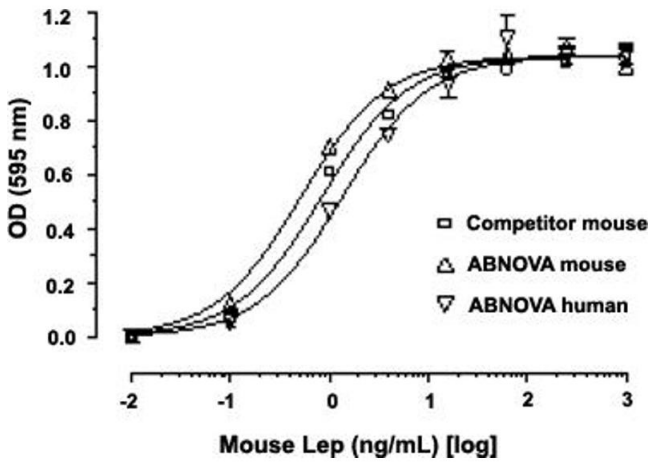
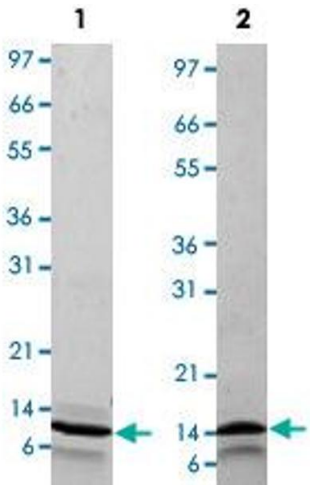


Image 1. Serial dilutions of mouse Lep were added to Baf/3 cells. After 44 hours cell proliferation was measured and the linear portion of the curve was used to determine the ED50.



Western Blotting

Image 2. Lane 1: non-reducing conditions Lane 2: reducing conditions

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