

Datasheet for 600-401-X74**ADROPIN Antibody****Overview**

Description:	Anti-ADROPIN (RABBIT) Antibody - 600-401-X74
Item No.:	600-401-X74
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	ADROPIN is a recently identified protein that has been implicated in the maintenance of energy homeostasis and insulin resistance (1-3). ADROPIN expression is regulated by energy status and dietary nutrient content and is altered by obesity and regulates the expression of hepatic lipogenic genes and adipose tissue peroxisome proliferator-activated receptor gamma (PPAR-gamma) (1). ADROPIN levels increase with dietary fat content (2). ADROPIN has also been proposed to play a role in the regulation of endothelial function (3).
Synonyms:	ADROPIN Antibody, UNQ470, C9orf165, UNQ470/PRO830, Adropin, Energy homeostasis-associated protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ENHO
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ADROPIN antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the C-terminus of human ADROPIN.

Purity/Specificity: Anti-ADROPIN antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. ADROPIN antibody is human, mouse and rat reactive. Despite its predicted molecular weight, ADROPIN often migrates at a higher than expected molecular weight in SDS-PAGE.

Relevant Links:

- [UniProtKB - Q6UWT2](#)
- [GeneID - 375704](#)
- [NCBI - NP_940975](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-ADROPIN Antibody has been tested for use in ELISA, Immunofluorescence, Immunohistochemistry and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 16 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000-1:20,000

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 1 - 2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

Shipping & Handling

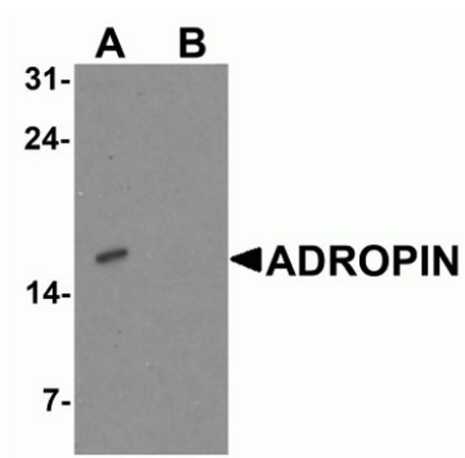
Shipping Condition: Wet Ice

Storage Condition: Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

Expiration:

Expiration date is one (1) year from date of receipt.

Images

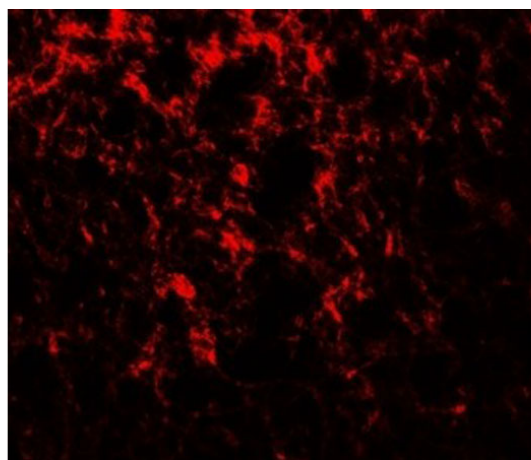


Western Blot

Western blot of ADROPIN.

Load: human brain tissue lysate.

Primary Antibody: ADROPIN antibody at 2 µg/ml in (A) the absence and (B) the presence of blocking peptide.

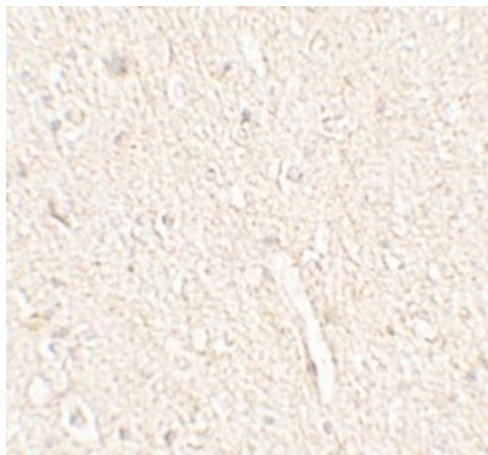


Immunofluorescence Microscopy

Immunofluorescence of ADROPIN.

Tissue: human brain tissue.

Primary Antibody: ADROPIN antibody at 20 µg/mL.

**Immunohistochemistry**

Immunohistochemistry of ADROPIN.

Tissue: human brain tissue.

Primary Antibody: ADROPIN antibody at 5 µg/mL.

Disclaimer

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