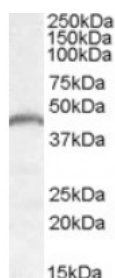


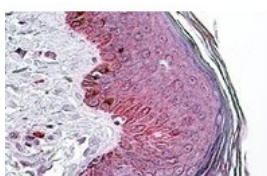


PNPLA3 Antibody

CATALOG NUMBER: 46-700



Western blot analysis of PNPLA3 in human heart lysate (35 ug protein in RIPA buffer) using PNPLA3 Antibody at 0.05 ug/mL.



Immunohistochemistry staining of PNPLA3 in human skin using PNPLA3 Antibody at 3.8 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specifications

SPECIES REACTIVITY:	Human, Mouse
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	ELISA: Antibody detection limit dilution 1:128,000. Western Blot: Approximately 45 kDa band observed in human heart lysates (calculated MW of 42.6 kDa according to NP_473429.2). Recommended concentration: 0.03-0.1 ug/mL. Approximately 45 kDa band observed in mouse heart lysates (calculated MW of 42.6 kDa according to human NP_473429.2 and to mouse NP_473429.2). Recommended concentration: 0.05-0.2 ug/mL. Immunohistochemistry: In paraffin embedded human Skin shows membranous staining of basak kayer cells. Recommended concentration, 4-6 ug/mL.
POSITIVE CONTROL:	1) Cat. No. 1301 - Human Heart Tissue Lysate
SPECIFICITY:	This antibody is raised against a peptide derived from the Mouse protein sequence and this peptide differs from Human only in position 2.
IMMUNOGEN:	PNPLA3 antibody was raised against a 12 amino acid synthetic peptide near the internal region of PNPLA3.
HOST SPECIES:	Goat

Properties

PURIFICATION:	PNPLA3 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
PHYSICAL STATE:	Liquid
BUFFER:	PNPLA3 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
CONCENTRATION:	500 ug/mL
STORAGE CONDITIONS:	Aliquot and store at -20°C. Minimize freezing and thawing.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	Pnpla3, patatin-like phospholipase domain containing 3, Adpn, adiponutrin, ADPN, C22orf20
ACCESSION NO.:	NP_473429.2
PROTEIN GI NO.:	144226245
OFFICIAL SYMBOL:	PNPLA3
GENE ID:	80339

Background

REFERENCES: 1) Steinberg GR, Kemp BE, Watt MJ. Adipocyte triglyceride lipase expression in human obesity. *Am J Physiol Endocrinol Metab.* 2007 Oct;293(4):E958-64. Epub 2007 Jul 3.

FOR RESEARCH USE ONLY

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