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Datasheet for ABIN6991238
anti-PPAPDC3 antibody

Overview

Quantity:	0.1 mg
Target:	PPAPDC3
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPAPDC3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	PPAPDC3 antibody was raised against a 19 amino acid synthetic peptide from near the amino of terminus human PPAPDC3. The immunogen is located within the first 50 amino acids of PPAPDC3.
Isotype:	IgG
Purification:	PPAPDC3 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	PPAPDC3
Alternative Name:	PPAPDC3 (PPAPDC3 Products)
Background:	PPAPDC3 Antibody: PPAPDC3, also known as nuclear envelope transmembrane protein 39 (NET39), was initially discovered in an in silico screen for secreted or membrane proteins. It is a member of the PAP2 superfamily of phosphatases and haloperoxidases. PPAPDC3 has

Target Details

recently been shown to act as a negative regulator of myoblast differentiation by diminishing the activity of the mammalian target of rapamycin TOR. PPAPDC3 is highly expressed in cardiac and skeletal muscle and becomes strongly upregulated during cultured myoblast differentiation tissues. Overexpression of PPAPDC3 in myoblasts repressed myogenesis while knockdown by RNA interference promoted differentiation indicating its part in the regulatory mechanism for myogenesis.

Gene ID: 84814

UniProt: [Q8NBV4](#)

Pathways: [Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: PPAPDC3 antibody can be used for detection of PPAPDC3 by Western blot at 1 - 2 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Antibody validated: Western Blot in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PPAPDC3 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: PPAPDC3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.