Datasheet for ABIN1695811

anti-WDFY1 antibody (AA 21-120) (AbBy Fluor® 488)

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Overview

Quantity:	100 µL
Target:	WDFY1
Binding Specificity:	AA 21-120
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WDFY1 antibody is conjugated to AbBy Fluor® 488
Application:	Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human WDFY1
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	WDFY1
Alternative Name:	WDFY1 + WDFY2 (WDFY1 Products)

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Target Details

Background:	Synonyms: FENS 1, FENS-1, FENS1, KIAA1435, Phosphoinositide binding protein 1, Phosphoinositide binding protein SR1, Phosphoinositide-binding protein 1, WD repeat and FYVE domain containing 1, WD repeat and FYVE domain-containing protein 1, WD40 and FYVE domain containing protein 1, WD40- and FYVE domain-containing protein 1, WDF1, WDFY1, WDFY1_HUMAN, ZFYVE17, Zinc finger FYVE domain containing protein 17, Zinc finger FYVE domain-containing protein 17, WDFY2, WD repeat and FYVE domain-containing protein 2, Propeller-FYVE protein, WD40- and FYVE domain-containing protein 2, Zinc finger FYVE domain-containing protein 22, WDF2, ZFYVE22 Background: WD-repeats are motifs that are found in a variety of proteins and are characterized by a conserved core of 40-60 amino acids that commonly form a tertiary propeller structure. While proteins that contain WD-repeats participate in a wide range of cellular functions, they are generally involved in regulatory mechanisms concerning chromatin assembly, cell cycle control, signal transduction, RNA processing, apoptosis and vesicular trafficking. WDFY1 positively regulates TLR3- and TLR4-mediated signaling pathways by bridging the interaction between TLR3 or TLR4 and TICAM1. WDFY1 Promotes TLR3/4 ligand-induced activation of transcription factors IRF3 and NF-kappa-B, as well as the production of IFN-beta and inflammatory cytokines. WDFY2 acts in an adapter protein-like fashion to mediate the interaction between the kinase PRKCZ and its substrate VAMP2 and increases the PRKCZ-dependent phosphorylation of VAMP2. WDFY2 positively regulates adipocyte differentiation, by facilitating the phosphorylation and thus inactivation of the anti-adipogenetic transcription factor FOXO1 by the kinase AKT1
Gene ID:	57590, 115825
UniProt:	Q8IWB7, Q96P53

Application Details

Application Notes:	FCM 1:20-100
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid

Handling

Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

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