



[Go to Product page](#)

Datasheet for ABIN1714756  
**anti-WDFY1 antibody (AA 21-120)**

### Overview

Quantity:	100 µL
Target:	WDFY1
Binding Specificity:	AA 21-120
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WDFY1 antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

### 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
---------	-------

## Target Details

---

Alternative Name: [WDFY1 + WDFY2 \(WDFY1 Products\)](#)

---

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: ELISA 1:500-1000  
FCM 1:20-100  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200  
ICC 1:100-500

---

## Application Details

---

Restrictions: For Research Use only

## Handling

---

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % 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: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months