



[Go to Product page](#)

Datasheet for ABIN1701254  
**anti-WDFY1 antibody (AA 21-120) (Biotin)**

### Overview

Quantity:	100 µL
Target:	WDFY1
Binding Specificity:	AA 21-120
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WDFY1 antibody is conjugated to Biotin
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### 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 ( <a href="#">WDFY1 Products</a> )

## 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:** IHC-P 1:200-400  
IHC-F 1:100-500

---

**Restrictions:** For Research Use only

## Handling

---

**Format:** Liquid

---

**Concentration:** 1 µg/µL

---

**Buffer:** Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and

## Handling

---

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 for 12 months.

---

Expiry Date: 12 months