Rabbit FENS1/WDFY1 Polyclonal Antibody | anti-WDFY1 antibody

Anti-FENS1/WDFY1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126573	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Flow Cytometry, Functional Assay, Western Blot**

PRODUCT SYNONYMS

FENS1/WDFY1; Polyclonal Antibody; Anti-FENS1/WDFY1 Antibody Picoband; anti-WDFY1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-WDFY1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human FENS1/WDFY1 recombinant protein (Position: H65-D394).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES

FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of HL-60 cells using anti-FENS1/WDFY1 antibody (AAA126573).Overlay histogram showing HL-60 cells stained with AAA126573 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-FENS1/WDFY1 Antibody (AAA126573, 1 ug/1x10^6 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

WB (Western Blot)
Figure 1. Western blot analysis of FENS1/WDFY1 using anti-FENS1/WDFY1 antibody (AAA126573).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human U-87MG whole cell lysates,Lane 2: human RT4 whole cell lysates,Lane 3: human THP-1 whole cell lysates,Lane 4: rat brain tissue lysates,Lane 5: rat skeletal muscle tissue lysates,Lane 6: mouse brain tissue lysates,Lane 7: mouse skeletal muscle tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-FENS1/WDFY1 antigen affinity purified polyclonal antibody (#AAA126573) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for FENS1/WDFY1 at approximately 46 kDa. The expected band size for FENS1/WDFY1 is at 46 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-WDFY1 antibody	The protein encoded by this gene is a phosphatidylinositol 3-phosphate binding protein, which contains a FYVE zinc finger domain and multiple WD-40 repeat domains. When exogenously expressed, it localizes to early endosomes. Mutagenesis analysis demonstrates that this endosomal localization is mediated by the FYVE domain.
Product Categories/Family for anti-WDFY1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	18482373
NCBI GeneID	57590
NCBI Accession #	NP_065881
NCBI GenBank Nucleotide #	NM_020830
UniProt Accession #	Q8IWB7; Q53S17; Q9H9D5; Q9P2B3
Molecular Weight	46,324 Da
NCBI Official Full Name	WD repeat and FYVE domain-containing protein 1
NCBI Official Synonym Full Names	WD repeat and FYVE domain containing 1
NCBI Official Symbol	WDFY1
NCBI Official Synonym Symbols	WDF1; FENS-1; ZFYVE17
NCBI Protein Information	WD repeat and FYVE domain-containing protein 1; WD40- and FYVE domain-containing protein 1; phosphoinositide-binding protein SR1; zinc finger FYVE domain-containing protein 17
UniProt Protein Name	WD repeat and FYVE domain-containing protein 1
UniProt Gene Name	**WDFY1**
UniProt Synonym Gene Names	KIAA1435; WDF1; ZFYVE17
UniProt Entry Name	WDFY1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/fens1-wdfy1-antibody-flow-cytometry-western-blot-elisa/126573