

FENS1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55079

Specification

FENS1 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8IWB7
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FENS1
Epitope Specificity	21-120/410
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Early endosome.
SIMILARITY	Contains 1 FYVE-type zinc finger. Contains 7 WD repeats.
SUBUNIT	Binds PtdIns3P in vitro with high specificity over other phosphoinositides.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

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 (WD repeat and FYVE domain containing 1), also known as WDF1, FENS-1 or ZFYVE17, is a 410 amino acid protein that localizes to the early endosome and contains one FYVE-type zinc finger and seven WD repeats through which it may play a role in protein trafficking and signal transduction.

FENS1 Polyclonal Antibody - Additional Information

Gene ID 57590

Other Names

WD repeat and FYVE domain-containing protein 1, FYVE domain-containing protein localized to endosomes 1, FENS-1, Phosphoinositide-binding protein 1, WD40- and FYVE domain-containing protein 1, Zinc finger FYVE domain-containing protein 17, WDFY1

Dilution

WB~~1:1000
IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
ICC~~N/A
E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

FENS1 Polyclonal Antibody - Protein Information

Name WDFY1

Function

Positively regulates TLR3- and TLR4-mediated signaling pathways by bridging the interaction between TLR3 or TLR4 and TICAM1. 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 (PubMed:25736436).

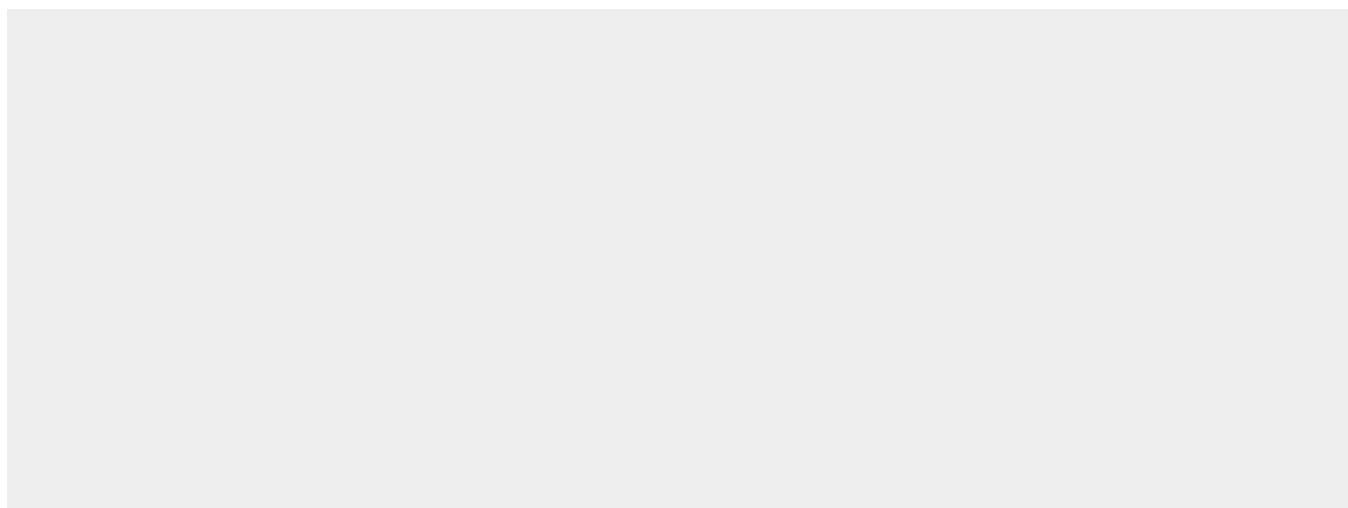
Cellular Location

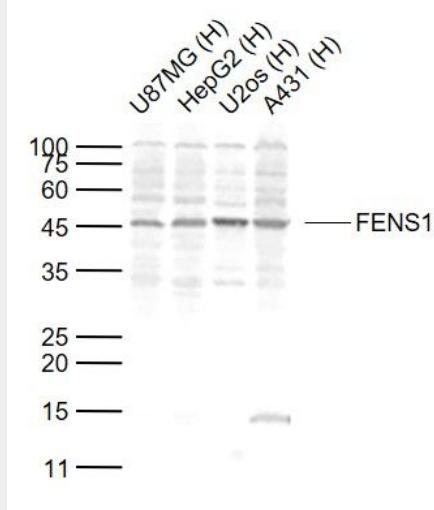
Early endosome

FENS1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FENS1 Polyclonal Antibody - Images



Sample:

Lane 1: U87MG (Human) Cell Lysate at 30 ug

Lane 2: HepG2 (Human) Cell Lysate at 30 ug

Lane 3: U2os (Human) Cell Lysate at 30 ug

Lane 4: A431 (Human) Cell Lysate at 30 ug

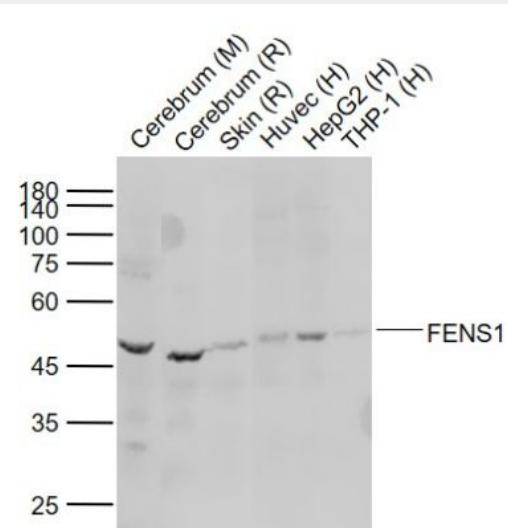
Primary:

Anti-FENS1 (bs-13169R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 46 kD

Observed band size: 46 kD



Sample:

Lane 1: Cerebrum (Mouse) Tissue Lysate at 40 ug

Lane 2: Cerebrum (Rat) Tissue Lysate at 40 ug

Lane 3: Skin (Rat) Tissue Lysate at 40 ug

Lane 4: Huvec (Human) Cell Lysate at 30 ug

Lane 5: HepG2 (Human) Cell Lysate at 30 ug

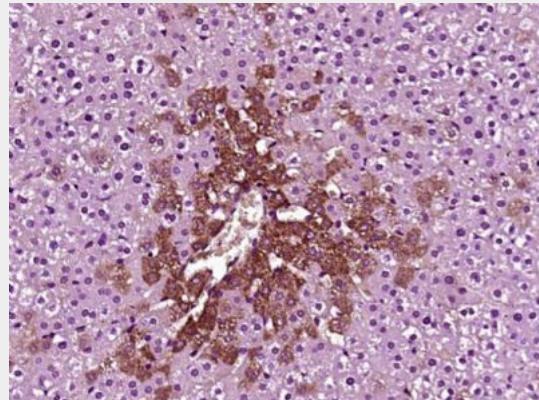
Lane 6: THP-1 (Human) Cell Lysate at 30 ug

Primary: Anti-FENS1 (bs-13169R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 46 kD

Observed band size: 48 kD



Paraformaldehyde-fixed, paraffin embedded (Rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FENS1) Polyclonal Antibody, Unconjugated (bs-13169R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.