Data Sheet (Cat.No.TMAB-05962)

Anti-FENS1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Pig,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 46 kDa. Actual: 46 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Paraformaldehyde-fixed, paraffin embedded (Rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (FENS1) Polyclonal Antibody, Unconjugated (TMAB-05962) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining. 2. Sample: Lane 1: U87MG (Human) Cell Lysate at 30 µg Lane 2: HepG2 (Human) Cell Lysate at 30 µg Lane 3: U2os (Human) Cell Lysate at 30 µg Lane 4: A431 (Human) Cell Lysate at 30 µg Primary: Anti-FENS1 (TMAB-05962) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46 kD Observed band size: 46 kD 3. Sample: Lane 1: Cerebrum (Mouse) Tissue Lysate at 40 µg Lane 2: Cerebrum (Rat) Tissue Lysate at 40 µg Lane 3: Skin (Rat) Tissue Lysate at 40 µg Lane 4: Huvec (Human) Cell Lysate at 30 µg Lane 5: HepG2 (Human) Cell Lysate at 30 µg Lane 6: THP-1 (Human) Cell Lysate at 30 µg Primary: Anti-FENS1 (TMAB-05962) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46 kD Observed band size: 48 kD
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human FENS1
Antigen Species:	Human
Gene ID:	57590
Uniprot ID:	Q8IWB7

Research 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 (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.

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