

Anti-FAM13C1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Pig,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 66 kDa. Actual: 63 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. Tissue/cell: Rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-FAM13C1 Polyclonal Antibody, Unconjugated (TMAB-05832) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining</p> <p>2. Paraformaldehyde-fixed, paraffin embedded (rat lung); 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 (FAM13C1) Polyclonal Antibody, Unconjugated (TMAB-05832) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.</p> <p>3. Paraformaldehyde-fixed, paraffin embedded (mouse 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 (FAM13C1) Polyclonal Antibody, Unconjugated (TMAB-05832) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.</p> <p>4. Sample: MCF-7 Cell (Human) Lysate at 40 µg Primary: Anti-FAM13C1 (TMAB-05832) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 66 kD Observed band size: 66 kD</p> <p>5. Sample: Hela Cell (Human) Lysate at 30 µg Primary: Anti-FAM13C1 (TMAB-05832) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 66 kD Observed band size: 63 kD</p>
Application:	WB,IHC-P,IHC-Fr,IF

A DRUG SCREENING EXPERT

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 FAM13C1

Antigen Species: Human

Gene ID: 220965

Uniprot ID: Q8NE31

Research Background

FAM13C1, also known as FAM13C, is a 585 amino acid protein that belongs to the FAM13 family. Existing as three alternatively spliced isoforms, the gene encoding FAM13C1 maps to human chromosome 10, which contains over 800 genes, 135 million nucleotides and makes up nearly 4.5% of the human genome. PTEN is an important tumor suppressor gene located on chromosome 10 and, when defective, causes a genetic predisposition to cancer development known as Cowden syndrome. The chromosome 10 encoded gene ERCC6 is important for DNA repair and is linked to Cockayne syndrome which is characterized by extreme photosensitivity and premature aging. Tetrahydrobiopterin deficiency and a number of syndromes involving defective skull and facial bone fusion are also linked to chromosome 10. As with most trisomies, trisomy 10 is rare and is deleterious.

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