

Anti-WFS1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Dog,Cow,Horse)
Molecular Weight:	Theoretical: 97 kDa. Actual: 105 kDa.
Purification:	Protein A purified

Applications

Sample:	HepG2 Cell (Human) Lysate at 40 µg Raji Cell (Human) Lysate at 40 µg
Verified Activity:	Primary: Anti-WFS1 (TMAB-14173) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 97 kD Observed band size: 105 kD
Application:	WB
Recommended	WB: 1:500-2000

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 WFS1
Antigen Species:	Human
Gene ID:	7466
Uniprot ID:	O76024

Research Background

Wolfram syndrome protein (WFS1) is an 890 amino acid protein that contains a cytoplasmic N-terminal domain, followed by nine-transmembrane domains and a luminal C-terminal domain. WFS1 is predominantly localized to the endoplasmic reticulum (ER) (1) and its expression is induced in response to ER stress, partially through transcriptional activation (2,3). Research studies have shown that mutations in the WFS1 gene lead to Wolfram syndrome, an autosomal recessive neurodegenerative disorder defined by young-onset, non-immune, insulin-dependent diabetes mellitus and progressive optic atrophy (4).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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