

WFS1

Reactivity:Human Mouse

Tested applications:WB

Recommended Dilution:WB 1:500 - 1:2000

Calculated MW:100kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human WFS1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

FLJ51211; WFRS; WFS; WOLFRAMIN;

Catalog #:A1705

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:7466

Isotype:IgG

Swiss Prot:O76024

Purity:Affinity purification

For research use only.

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).

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