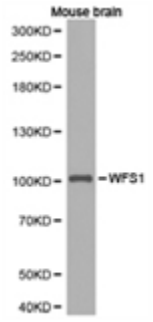
WFS1 Polyclonal Antibody

E91705

Catalog Number: E91705
Amount: 100ul
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).
Species: Rabbit
Isotype: IgG
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Synonyms: FLJ51211; WFRS; WFS; WOLFRAMIN;
Immunogen: Recombinant protein of human WFS1
Purification: Affinity purification
Reactivity: H M R
Applications: WB IHC
Molecular Weight: 100kDa
Swiss-Prot No. : O76024
Gene ID: 7466
References: 1. Takeda, K. et al. (2001) Hum Mol Genet 10, 477-84. 2. Yamaguchi, S. et al. (2004) Biochem Biophys Res Commun 325, 250-6. 3. Ueda, K. et al. (2005) Eur J Endocrinol 153, 167-76. 4. Inoue, H. et al. (1998) Nat Genet 20, 143-8.

WB 1:500 - 1:2000
IHC 1:50- 1:200



Western blot analysis of extracts of mouse braincell lines, using WFS1 antibody.

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