

Rabbit WFS1 Polyclonal Antibody | anti-WFS1 antibody

WFS1 Antibody

CATALOG # AAA266646	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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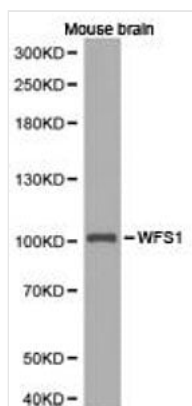
PRODUCT SYNONYMS

WFS1; Polyclonal Antibody; WFS1 Antibody; FLJ51211; WFRS; WFS; WOLFRAMIN;; anti-WFS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence Length	890
Applicable Applications for anti-WFS1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human WFS1
Preparation and Storage	Store at -20 degree C or -80 degree C. Avoid freeze / thaw cycles.

IMAGES



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-WFS1 antibody	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).
Product Categories/Family for anti-WFS1 antibody	Autophagy antibody ; Cancer ; Cardiovascular ; Cell Biology ; Epigenetics & Nuclear Signaling ; Developmental Biologys ; Immunology ; Drug Discovery Products ; Metabolism ; Neuroscience ; Signal Transduction ; Stem Cells
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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	224994205
NCBI GeneID	7466
NCBI Accession #	NP_001139325.1
NCBI GenBank Nucleotide #	NM_001145853.1
UniProt Accession #	O76024; Q8N6I3; Q9UNW6; B2R797; D3DVT1
Molecular Weight	100kDa
NCBI Official Full Name	wolframin
NCBI Official Synonym Full Names	wolframin ER transmembrane glycoprotein
NCBI Official Symbol	WFS1
NCBI Official Synonym Symbols	WFS; WFRS; WFSL; CTRCT41
NCBI Protein Information	wolframin
UniProt Protein Name	Wolframin
UniProt Gene Name	WFS1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.