

WFS1 Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP52019

Specification

WFS1 Antibody - Product Information

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW

WB, E
076024
Human, Mouse, Rat
Rabbit
Polyclonal
100 KDa

WFS1 Antibody - Additional Information

Gene ID 7466

Other Names Wolframin, WFS1

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human WFS1. The exact sequence is proprietary.

Dilution

WB~~1:1000 E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

WFS1 Antibody - Protein Information

Name WFS1

Function

Participates in the regulation of cellular Ca(2+) homeostasis, at least partly, by modulating the filling state of the endoplasmic reticulum Ca(2+) store (PubMed:16989814). Negatively regulates the ER stress response and positively regulates the stability of V-ATPase subunits ATP6V1A and ATP1B1 by preventing their degradation through an unknown proteasome-independent mechanism (PubMed:23035048).

Cellular Location



Endoplasmic reticulum membrane; Multi-pass membrane protein. Cytoplasmic vesicle, secretory vesicle. Note=Co-localizes with ATP6V1A in the secretory granules in neuroblastoma cell lines

Tissue Location

Highly expressed in heart followed by brain, placenta, lung and pancreas. Weakly expressed in liver, kidney and skeletal muscle. Also expressed in islet and beta-cell insulinoma cell line

WFS1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

WFS1 Antibody - Images

WFS1 Antibody - Background

Participates in the regulation of cellular Ca(2+) homeostasis, at least partly, by modulating the filling state of the endoplasmic reticulum Ca(2+) store.

WFS1 Antibody - References

Strom T.M.,et al.Hum. Mol. Genet. 7:2021-2028(1998).
Inoue H.,et al.Nat. Genet. 20:143-148(1998).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 434:724-731(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.