

WFS1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP52019

Specification

WFS1 Antibody - Product Information

Application	WB, E
Primary Accession	O76024
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	100 KDa

WFS1 Antibody - Additional Information

Gene ID 7466

Other Names

Wolframin, WFS1

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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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 Cytometry](#)
- [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.