

WFS1 Antibody (aa183-232)
Rabbit Polyclonal Antibody
Catalog # ALS16928**Specification**

WFS1 Antibody (aa183-232) - Product Information

Application	IHC, WB
Primary Accession	O76024
Other Accession	7466
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	100292

WFS1 Antibody (aa183-232) - Additional Information

Gene ID 7466

Other Names

WFS1, DIDMOAD, DFNA14, DFNA6, Wolframin, WFS, WFSL, Wolfram syndrome 1 (wolframin), DFNA38, WFRS, Wolfram Syndrome 1

Target/Specificity

Wolframin antibody detects endogenous levels of Wolframin.

Reconstitution & Storage

PBS, pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol. Store at -20°C.

Precautions

WFS1 Antibody (aa183-232) is for research use only and not for use in diagnostic or therapeutic procedures.

WFS1 Antibody (aa183-232) - 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

Volume

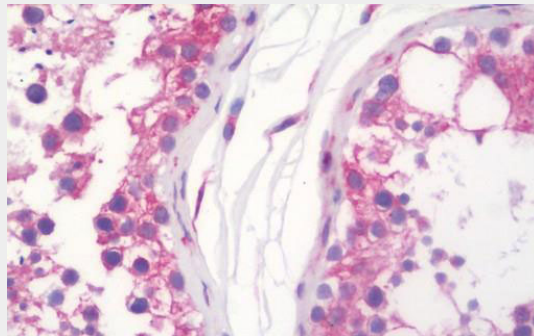
50 μ l

WFS1 Antibody (aa183-232) - Protocols

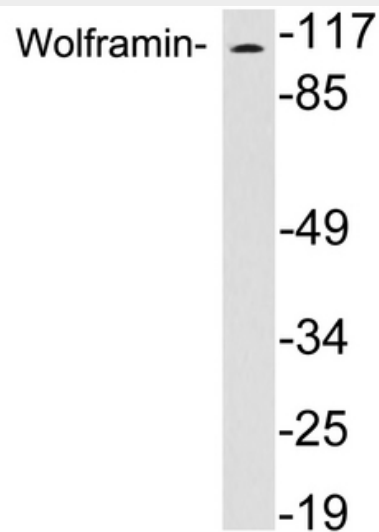
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

WFS1 Antibody (aa183-232) - Images



Anti-WFS1 antibody IHC staining of human testis.



Western blot of extracts from brain tissue, using Wolframin antibody.

WFS1 Antibody (aa183-232) - 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 (aa183-232) - 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.