

SRX1 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2859a**Specification**

SRX1 Antibody (internal region) - Product Information

Application	WB
Primary Accession	O9BYN0
Other Accession	NP_542763.1 , 140809
Reactivity	Human
Predicted	Mouse, Rat, Pig, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	14259

SRX1 Antibody (internal region) - Additional Information**Gene ID** 140809**Other Names**

Sulfiredoxin-1, 1.8.98.2, SRXN1, C20orf139, SRX

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SRX1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

SRX1 Antibody (internal region) - Protein Information**Name** SRXN1**Synonyms** C20orf139, SRX, SRX1**Function**

Contributes to oxidative stress resistance by reducing cysteine-sulfinic acid formed under exposure to oxidants in the peroxiredoxins PRDX1, PRDX2, PRDX3 and PRDX4 (PubMed:15448164, PubMed:15590625). Does not act on PRDX5 or PRDX6 (PubMed:15448164).

target="_blank">15448164, PubMed:15590625). May catalyze the reduction in a multi-step process by acting both as a specific phosphotransferase and a thioltransferase (PubMed:15448164, PubMed:15590625).

Cellular Location

Cytoplasm.

Tissue Location

Widely expressed with highest levels in kidney, lung, spleen and thymus.

SRX1 Antibody (internal region) - 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](#)

SRX1 Antibody (internal region) - Images



AF2859a (0.5 µg/ml) staining of Human Kidney lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

SRX1 Antibody (internal region) - References

Structure of the sulphiredoxin-peroxiredoxin complex reveals an essential repair embrace. Jönsson TJ, Johnson LC, Lowther WT. Nature. 2008 Jan 3;451(7174):98-101. PMID: 18172504