

STOX2 Antibody
Catalog # ASC11239**Specification**

STOX2 Antibody - Product Information

Application	WB, IHC, IF
Primary Accession	Q9P2F5
Other Accession	NP_064610 , 55742730
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	STOX2 antibody can be used for detection of STOX2 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.

STOX2 Antibody - Additional Information

Gene ID	56977
Target/Specificity	
STOX2;	

Reconstitution & Storage

STOX2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions

STOX2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

STOX2 Antibody - Protein Information

Name STOX2

Synonyms KIAA1392

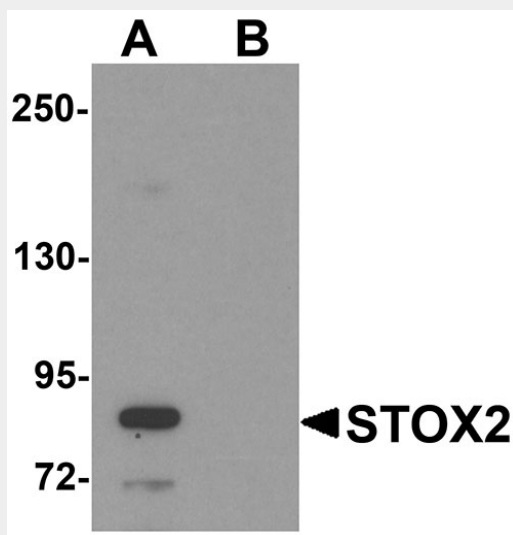
STOX2 Antibody - Protocols

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

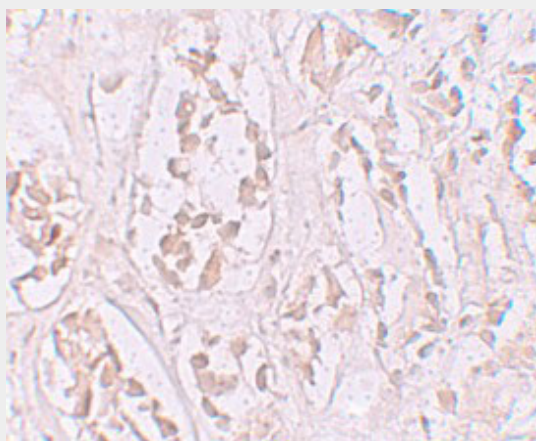
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

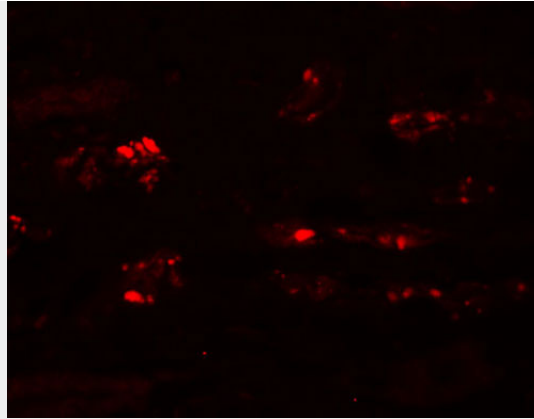
STOX2 Antibody - Images



Western blot analysis of STOX2 in human kidney tissue lysate with STOX2 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of STOX2 in human kidney tissue with STOX2 antibody at 2.5 µg/mL.



Immunofluorescence of STO2 in human kidney tissue with STO2 antibody at 20 μ g/mL.

STO2 Antibody - Background

STO2 Antibody: The Storkhead box protein 2 (STO2) is the only known paralog to STO1, a winged-helix domain containing transcription factor believed to play a role in the differentiation of stem cells. STO2 has been suggested to be part of a molecular profile unique to stem cells, and its mRNA may be part of a transcriptional profile observed with increased inflammatory response to air pollutants. Decreased STO2 expression levels in decidua are also correlated with preeclampsia, suggesting STO2 may play a role in the pathophysiology of preeclampsia.

STO2 Antibody - References

van Dijk M, van Bezu J, Chim SS, et al. Maternal segregation of the Dutch preeclampsia locus at 10q22 with a new member of the winged helix gene family. *Nat. Genet.*2005; 37:514-9.
Kivinen K, Peterson H, Hiltunen L, et al. Evaluation of STO1 as a preeclampsia candidate gene in a population-wide sample. *Eur. J. Hum. Genet.*2007; 15:494-7.
Thomas S, Thomas M, Wincker P, et al. Human neural crest cells display molecular and phenotypic hallmarks of stem cells. *Hum. Mol. Genet.*2008; 17:3411-25.
Fedulov AV, Leme A, Yang Z, et al. Pulmonary exposure to particles during pregnancy causes increased neonatal asthma susceptibility. *Am. J. Respir. Cell Mol. Biol.*2008; 38:57-67.