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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℃ for three months and -20℃, 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

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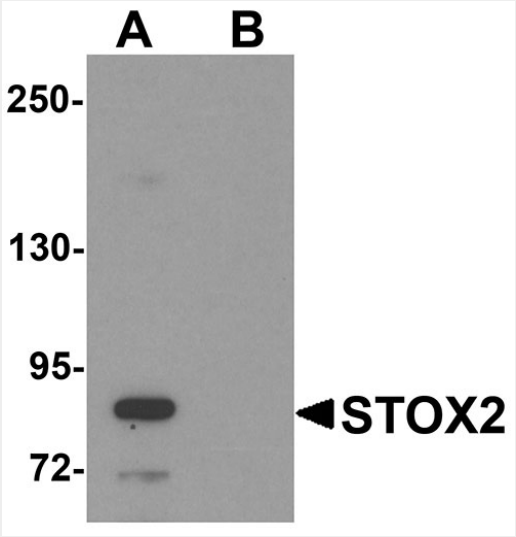
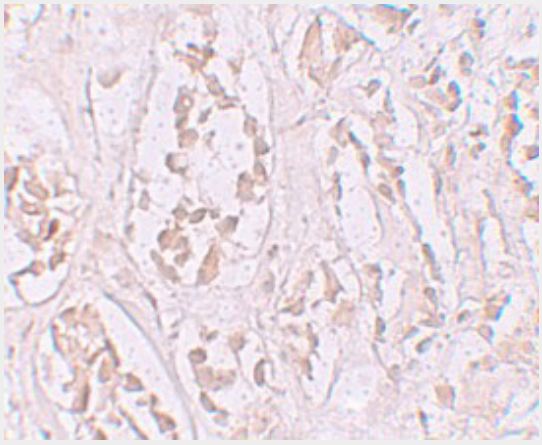
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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.

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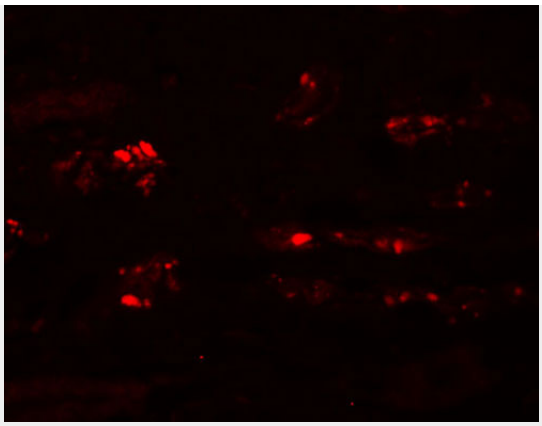

Immunofluorescence of STOX2 in human kidney tissue with STOX2 antibody at 20 µg/mL.

STOX2 Antibody - Background

STOX2 Antibody: The Storkhead box protein 2 (STOX2) is the only known paralog to STOX1, a winged-helix domain containing transcription factor believed to play a role in the differentiation of stem cells. STOX2 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 STOX2 expression levels in decidua are also correlated with preeclampsia, suggesting STOX2 may play a role in the pathophysiology of preeclampsia.

STOX2 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 STOX1 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.