

STOX2 Antibody

Catalog # ASC11239

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q9P2F5
Other Accession	NP_064610 , 55742730
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	102671
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	STOX2 antibody can be used for detection of STOX2 by Western blot at 1 μ g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	56977
Other Names	Storkhead-box protein 2, STOX2, KIAA1392
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.

Protein Information

Name	STOX2
Synonyms	KIAA1392

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.

References

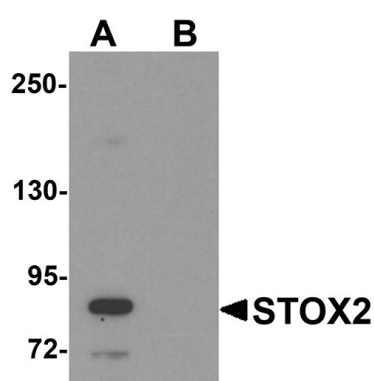
van Dijk M, van Bezu J, Chim SS, et al. Maternal segregation of the Dutch preeclampsia locus at 10q22 with a new member of the winged helix gene family. *Nat. Genet.*2005; 37:514-9.

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.

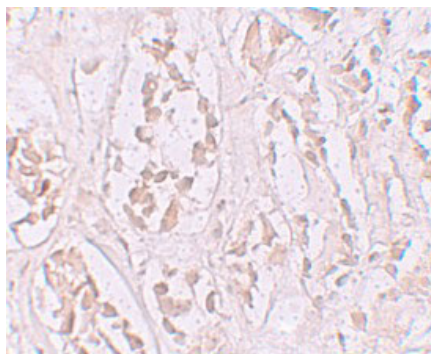
Thomas S, Thomas M, Wincker P, et al. Human neural crest cells display molecular and phenotypic hallmarks of stem cells. *Hum. Mol. Genet.*2008; 17:3411-25.

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.

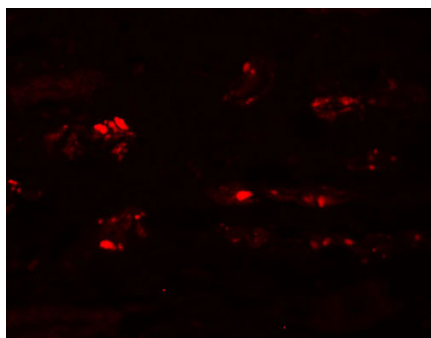
Images



Western blot analysis of STOX2 in human kidney tissue lysate with STOX2 antibody at 1 $\mu\text{g/mL}$ in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of STOX2 in human kidney tissue with STOX2 antibody at 2.5 $\mu\text{g/mL}$.



Immunofluorescence of STOX2 in human kidney tissue with STOX2 antibody at 20 $\mu\text{g/mL}$.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.