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DBX2 Antibody
Catalog # ASC11489

Specification

DBX2 Antibody - Product Information

Application	**WB, IHC, IF**
Primary Accession	Q6ZNG2
Other Accession	NP_001004329, 116174748
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Application Notes	**DBX2 antibody can be used for detection of DBX2 by Western blot at 1 and 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 5 µg/mL.**

DBX2 Antibody - Additional Information

Gene ID **440097**

Target/Specificity
DBX2; DBX2 antibody is human specific. At least two isoforms of DBX2 are known to exist; this antibody will only detect the shortest isoform.

Reconstitution & Storage
DBX2 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
DBX2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

DBX2 Antibody - Protein Information

Name DBX2

Cellular Location
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.

DBX2 Antibody - Protocols

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

- Western Blot
- Blocking Peptides

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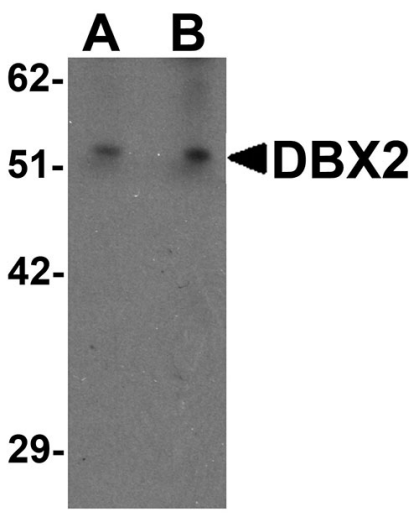
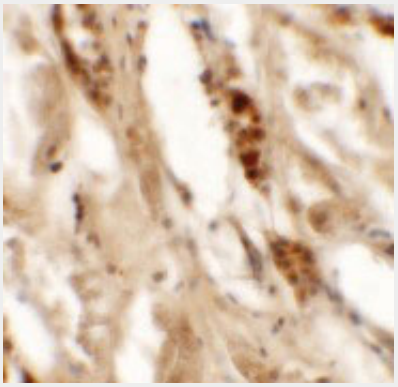
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DBX2 Antibody - Images



Western blot analysis of WDR18 in rat lung tissue lysate with WDR18 antibody at (A) 1 and (B) 2 µg/mL.



Immunohistochemistry of DBX2 in human kidney tissue with DBX2 antibody at 5 µg/mL.

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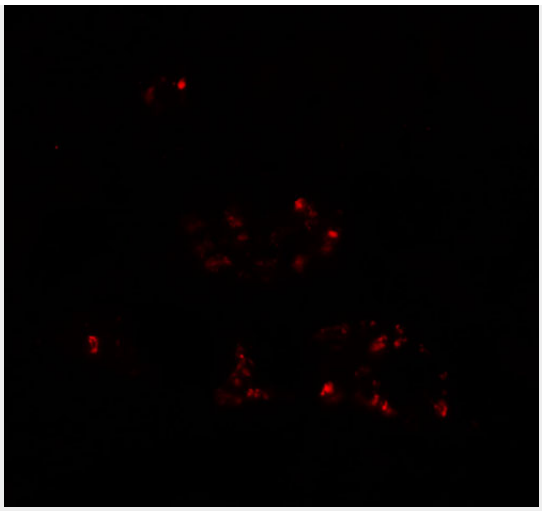

Immunofluorescence of DBX2 in human kidney tissue with DBX2 antibody at 20 µg/mL.

DBX2 Antibody - Background

DBX2 Antibody: DBX2 is a member of the developing brain homeobox (DBX) protein family, but while the related protein DBX1 is expressed in various regions of the developing brain, DBX2 shows a more restricted pattern of expression in the brain, and is also expressed in some mesenchymal cells such as limb buds and tooth germs. It is thought that DBX1 and DBX2 promote the development of a subset of interneurons, some of which help mediate left-right coordination of locomotor activity. In Xenopus, DBX2 is involved in primary neurogenesis and early neural plate patterning, and is thought to act as a cross-repressive partner of NKX6-2 in the patterning of the ventral neural tube.

DBX2 Antibody - References

Shoji H, Ito T, Wakamatsu Y, et al. Regionalized expression of the Dbx family homeobox genes in the embryonic CNS of the mouse. Mech. Dev. 56:25-39.
Lacin H, Zhu Y, Wilson BA, et al. Dbx mediates neuronal specification and differentiation through cross-repressive, lineage-specific interactions with eve and hb9. Development 2009; 136:3257-66.
Ma P, Zhao S, Zeng W, et al. Xenopus Dbx2 is involved in primary neurogenesis and early neural plate patterning. Biochem. Biophys. Res. Commun. 2011; 412:170-4.