DBX2 Antibody (NT)

ALTERNATE NAMES: Developing brain homeobox protein 2, Homeobox protein DBX2

CATALOG #: 5289-100

AMOUNT: 100 µg

HOST: Rabbit

ISOTYPE: IgG1

IMMUNOGEN: DBX2 antibody was raised against a 16 amino acid peptide near the amino terminus of human DBX2.

PURIFICATION: Affinity chromatography purified via peptide column

FORMULATION: 100 µg (1 mg/ml) in 1X PBS containing 0.02 % sodium azide.

SPECIES REACTIVITY: Human

STORAGE CONDITIONS: Can be stored at 4°C for three months. For long term storage, store at -20°C. Avoid freeze/thaw cycles.

DESCRIPTION: 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.

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

APPLICATION: Western Blot: 1 - 2 µg/ml, ELISA

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user

FOR RESEARCH USE ONLY! Not to be used on humans.

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Western blot analysis of DBX2 in human kidney tissue lysate with DBX2 antibody at (A) 1 and (B) 2 µg/ml.