

Rabbit Anti-DBX2 antibody

SL12149R

Product Name	DBX2
Chinese Name	脑发育同源蛋白 2 抗体
Alias	Dbx 2; developing brain homeobox 2; FLJ16139; hlx3; DBX2_HUMAN.
Research Area	Cell biology Developmental biology Neurobiology Signal transduction Stem cells Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse,Rat(predicted:Chicken,Dog,Pig,Horse,Sheep)
Applications	WB=1:500-2000 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	37kDa
Cellular localization	The nucleus
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human DBX2: 151-250/339
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	DBX2 is a 339 amino acid member of the H2.0 homeobox family. DBX2, which is localized to the nucleus, contains one homeobox DNA-binding domain, a region of 60 amino acids that binds DNA through a helix-turn-helix type of structure. DBX2, which is expressed in the forebrain, midbrain,

hindbrain and spinal cord, has been implicated in CNS development. Specifically, DBX2 has been shown to play a role in spinal cord dorsal/ventral patterning, as well as the regionalization of the CNS. DBX2 is also thought to play a role in the production of multiple spinal cord cell types.

Subcellular Location:

Nuclear

Similarity:

Belongs to the H2.0 homeobox family.

Contains 1 homeobox DNA-binding domain.

SWISS:

Q6ZNG2

Gene ID:

440097

Database links:

[Entrez Gene: 440097](#) Human

[Entrez Gene: 223843](#) Mouse

[Entrez Gene: 541457](#) Rat

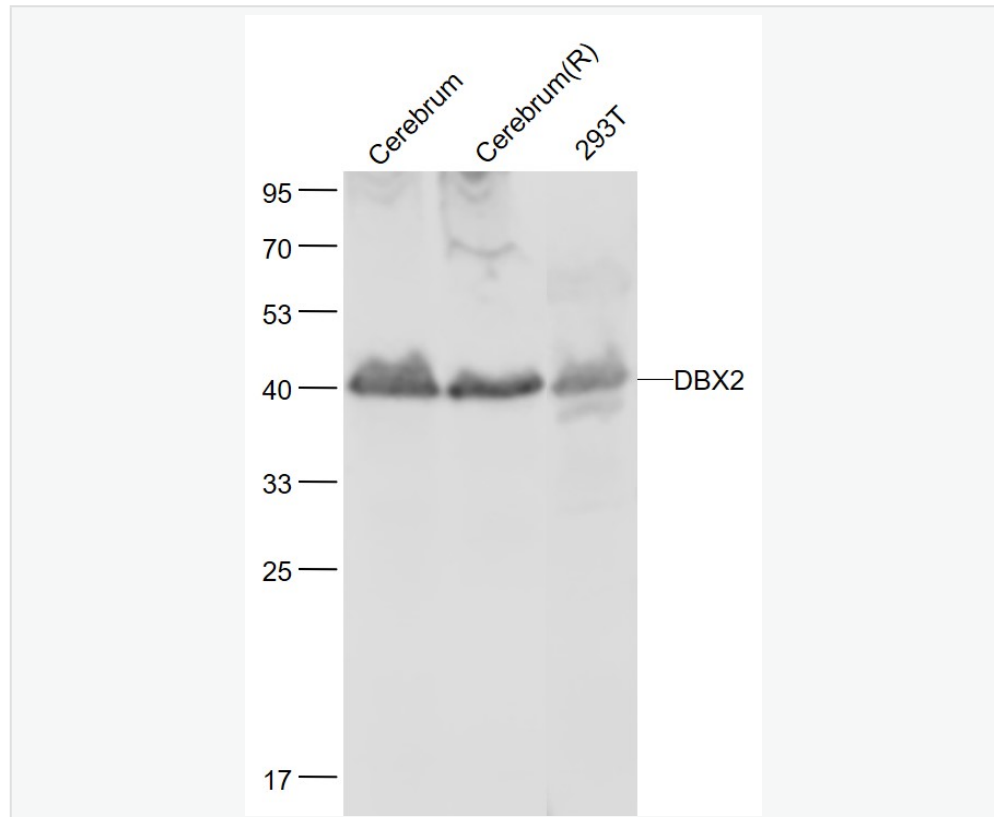
[SwissProt: Q6ZNG2](#) Human

[Unigene: 302764](#) Human

[Unigene: 152937](#) Mouse

[Unigene: 93216](#) Rat

Product Picture



Sample:

Cerebrum(Mouse) Lysate at 40 ug

Cerebrum(Rat) Lysate at 40 ug

293T(Human) Cell Lysate at 30 ug

Primary: Anti-DBX2 (SL12149R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 37 kD

Observed band size: 40 kD