

CUX1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51134**Specification**

CUX1 Antibody - Product Information

Application	WB, IHC-P, ICC, E
Primary Accession	P39880
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	180, 77 KDa

CUX1 Antibody - Additional Information**Gene ID** 1523**Other Names**

Homeobox protein cut-like 1, CCAAT displacement protein, CDP, Homeobox protein cux-1, CUX1, CUTL1

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human CUX1. The exact sequence is proprietary.

DilutionWB~~1:500
IHC-P~~N/A
ICC~~N/A
E~~N/A**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

CUX1 Antibody - Protein Information**Name** CUX1 ([HGNC:2557](#))**Synonyms** CUTL1**Function**

Transcription factor involved in the control of neuronal differentiation in the brain. Regulates dendrite development and branching, and dendritic spine formation in cortical layers II-III. Also involved in the control of synaptogenesis. In addition, it has probably a broad role in mammalian development as a repressor of developmentally regulated gene expression. May act by preventing

binding of positively-activating CCAAT factors to promoters. Component of nf-munr repressor; binds to the matrix attachment regions (MARs) (5' and 3') of the immunoglobulin heavy chain enhancer. Represses T-cell receptor (TCR) beta enhancer function by binding to MARbeta, an ATC- rich DNA sequence located upstream of the TCR beta enhancer. Binds to the TH enhancer; may require the basic helix-loop-helix protein TCF4 as a coactivator.

Cellular Location

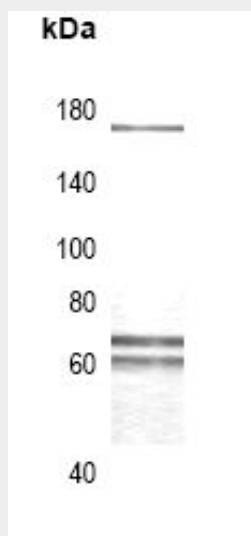
Nucleus.

CUX1 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CUX1 Antibody - Images



HEK293T

CUX1 Antibody - Background

Probably has a broad role in mammalian development as a repressor of developmentally regulated gene expression. May act by preventing binding of positively-activating CCAAT factors to promoters. Component of nf-munr repressor; binds to the matrix attachment regions (MARs) (5' and 3') of the immunoglobulin heavy chain enhancer. Represses T-cell receptor (TCR) beta enhancer function by binding to MARbeta, an ATC-rich DNA sequence located upstream of the TCR beta enhancer (By similarity).

CUX1 Antibody - References

Neufeld E.J.,et al.Nat. Genet. 1:50-55(1992).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 424:157-164(2003).
Gloeckner G.,et al.Genome Res. 8:1060-1073(1998).
Rong Zeng W.,et al.Gene 241:75-85(2000).