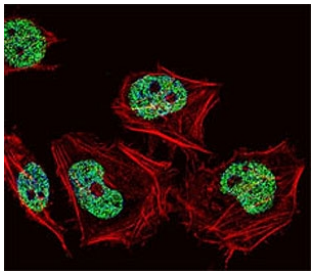
CUX1 Antibody / Homeobox protein cut-like 1 (F49389)

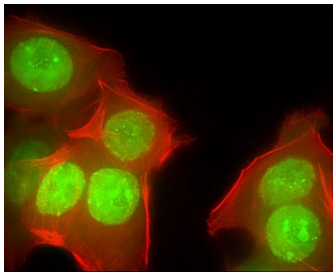
Catalog No.	Formulation	Size
F49389-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49389-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

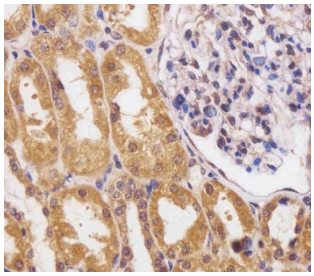
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P39880
Applications	Western blot: 1:1000-1:2000 IHC (Paraffin): 1:25-1:50 Immunofluorescence: 1:10-1:50
Limitations	This CUX1 antibody is available for research use only.



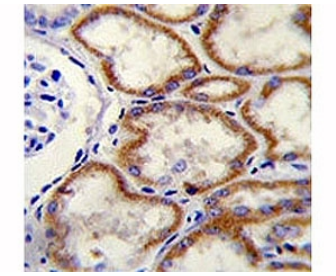
Fluorescent confocal image of human HeLa cell stained with CUX1 antibody. HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with primary Ab (1:25, 1 h at 37oC). Green = CUX1 antibody, Red = Phalloidin stained actin.



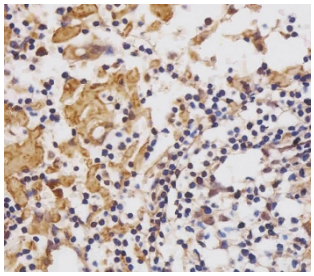
Fluorescent staining of human MCF-7 cells with CUX1 antibody. Cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with primary Ab (1:25, 1 h at 37oC). Green = CUX1 antibody, Red = Phalloidin stained actin.



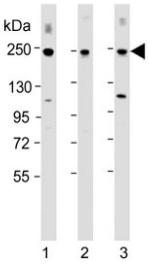
IHC staining of FFPE human kidney with CUX1 antibody at 1:25. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



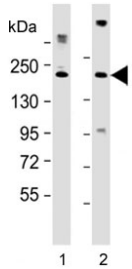
IHC staining of FFPE human kidney with CUX1 antibody at 1:25. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



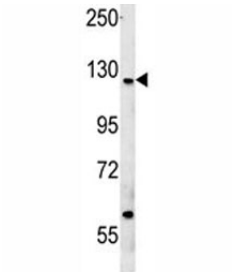
IHC staining of FFPE human lymph node with CUX1 antibody at 1:25. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



Western blot testing of human 1) MCF-7, 2) MOLT-4 and 3) SH-SY5Y cell lysate with CUX1 antibody at 1:2000. Expected molecular weight ~200 kDa with smaller isoforms.



Western blot testing of human 1) HEK293 and 2) K562 cell lysate with CUX1 antibody at 1:2000. Expected molecular weight ~200 kDa with smaller isoforms.



Western blot testing of human MCF7 cell lysate with CUX1 antibody at 1:2000. Expected molecular weight ~200 kDa with smaller isoforms.

Description

CUX1 likely has a broad role in mammalian development as a repressor of developmentally regulated gene expression. May act by preventing binding of positively-activing 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 (By similarity). [UniProt]

Application Notes

Titration of the CUX1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1347-1374 from the human protein was used as the immunogen for this CUX1 antibody.

Storage

Aliquot the CUX1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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