

Rabbit CUTL1 Polyclonal Antibody | anti-CUTL1 antibody

Phospho-CUTL1 (Ser1237) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31424	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Sheep (100%), Dog (100%), Xenopus (100%)	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

CUTL1; Polyclonal Antibody; Phospho-CUTL1 (Ser1237) Antibody; CASP; CCAAT displacement protein; CDP; CDP/Cut; CDP1; Clox; COY1; Cut homeobox; Cut homolog; Cut like 1; Cut like homeobox 1; CUX; Cux/CDP; CUX1; Golgi integral membrane protein 6; GOLIM6; Homeobox protein cux 1; Nbla10317; p100; p110; p200; p75; Protein CASP; Putative protein product of Nbla10317; anti-CUTL1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Sheep (100%), Dog (100%), Xenopus (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-CUTL1 (Ser1237) Antibody detects endogenous levels of CUTL1 only when phosphorylated at Ser1237.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CUTL1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA (Peptide ELISA)
Application Notes	WB: 1:1000-3000 IHC: 1:50-1:200 Peptide ELISA: 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human CUTL1 around the phosphorylation site of Ser1237.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Interacts with BANP. Interacts with SATB1 (via DNA-binding domains); the interaction inhibits the attachment of both proteins to DNA (By similarity).
Similarity	Belongs to the CUT homeobox family.
Subcellular Location	Nucleus.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

At 1/200 staining Human lung cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

At 1/200 staining Human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

At 1/200 staining Mouse kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

At 1/200 staining Mouse kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

Staining Rat kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of CUTL1 (Phospho-Ser1237) using EGF treated A431 whole cell lysates. -/+ means absence or presence of N peptide/non-phospho peptide) and P peptide(phospho peptide).

ADDITIONAL INFORMATION

Related Product Information for anti-CUTL1 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	321400107
NCBI GeneID	1523
NCBI Accession #	NP_001189472.1
NCBI GenBank Nucleotide #	NM_001202543.1
UniProt Accession #	P39880; Q6NYH4; Q75LE5; Q75MT2; Q75MT3; Q86UJ7; Q9UEV5; B3KV79; J3KQV9; Q13948
Molecular Weight	164,187 Da
NCBI Official Full Name	protein CASP isoform d
NCBI Official Synonym Full Names	cut-like homeobox 1
NCBI Official Symbol	CUX1
NCBI Official Synonym Symbols	CDP; CUX; p75; CASP; CDP1; COY1; Clox; p100; p110; p200; CUTL1; GOLIM6; CDP/Cut; Cux/CDP; Nbla10317

NCBI Protein Information	protein CASP; cut homolog; homeobox protein cux-1; CCAAT displacement protein; golgi integral membrane protein 6; putative protein product of Nbla10317
UniProt Protein Name	Homeobox protein cut-like 1
UniProt Gene Name	CUX1
UniProt Synonym Gene Names	CUTL1; CDP
UniProt Entry Name	CUX1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/cutl1-antibody-western-blot-immunohistochemistry-peptide-elisa-elisa/31424>