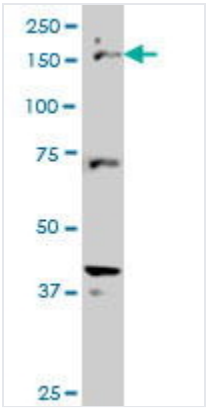
CUTL1 Antibody – Mouse Monoclonal

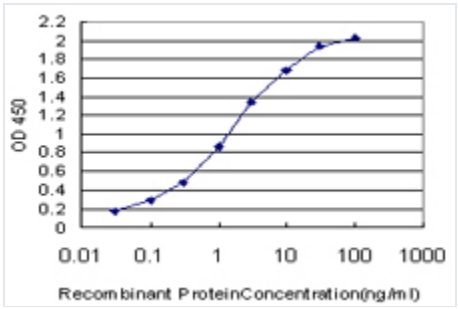
PRODUCT OVERVIEW

Product Name	CUTL1, Monoclonal Antibody
Full Product Name	CUTL1 (cut-like Homeobox 1, CASP, CDP, CDP/Cut, CDP1, COY1, CUTL1, CUX, Clox, Cux/CDP, GOLIM6, Nbla10317, p100, p110, p200, p75) (PE)
Product Gene Name	anti-CUTL1 antibody
Product Synonym Names	cut-like Homeobox 1; CASP; CDP; CDP/Cut; CDP1; COY1; CUTL1; CUX; Clox; Cux/CDP; GOLIM6; Nbla10317; p100; p110; p200; p75
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2D10
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified
Specificity	Recognizes CUTL1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	75,644 Da
OMIM	116896
3D Structure	ModBase 3D Structure for Q13948
Immunogen	CUTL1 (NP_001904.2, 521aa-620aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	AENRLAQHTLQALQSELDSLRADNIKLFEKIKFLQSYPGRGSGSDDTELRYSSQYEERLDPFSSFSKRERQRKYLSLSPWDKATLSMGRLVLSNKMARTI
Conjugate	PE
Product Categories/Family for anti-CUTL1 antibody	Antibodies; Transcription Factors; Homeobox (HOX)
Applications Tested/Suitable for anti-CUTL1 antibody	Western Blot (WB)
Application Notes for anti-CUTL1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CUTL1 antibody	The protein encoded by this gene is a member of the homeodomain family of DNA binding proteins. It may regulate gene expression, morphogenesis, and differentiation and it may also play a role in the cell cycle progession. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq]

Other Notes	Small volumes of anti-CUTL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CUTL1 purchase	MBS6185757 is an antibody targeting CUTL1. Also known as CUTL1 (cut-like Homeobox 1, CASP, CDP, CDP/Cut, CDP1, COY1, CUTL1, CUX, Clox, Cux/CDP, GOLIM6, Nbla10317, p100, p110, p200, p75) (PE). Host: Mouse.



Western Blot (WB) of anti-CUTL1 antibody
CUTL1 monoclonal antibody (M02), clone 2D10 Western Blot analysis of CUTL1 expression in Hela S3 NE (Cat # L013V3).



Testing Data of anti-CUTL1 antibody
Detection limit for recombinant GST tagged CUTL1 is approximately 0.03ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CUTL1. It may not necessarily be applicable to this product.

NCBI GI #	31652236
NCBI GeneID	1523
NCBI Accession #	NP_001904.2
UniProt Primary Accession #	Q13948
UniProt Secondary Accession #	Q53GU9; Q8TBS3; B3KWH3; B3KWH8; B4DZZ2; G3V1Z6; J3KPQ6
UniProt Related Accession #	P39880; Q13948
GenBank Nucleotide #	NM_001913.4
NCBI Official Full Name	protein CASP isoform b
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
UniProt Protein Name	Protein CASP
UniProt Gene Name	CUX1
UniProt Synonym Gene Names	CUTL1
UniProt Entry Name	CASP_HUMAN
NCBI Protein Information	protein CASP; cut homolog; homeobox protein cux-1; CCAAT displacement protein; golgi integral membrane protein 6; putative protein product of Nbla10317
NCBI Summary for CUTL1	The protein encoded by this gene is a member of the homeodomain family of DNA binding proteins. It may regulate gene expression, morphogenesis, and differentiation and it may also play a role in the cell cycle progession. Several alternatively spliced transcript variants encoding different isoforms have been identified.[provided by RefSeq, Feb 2011]

UniProt Comments for CUTL1	CUTL1 iso1: Probably 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. Belongs to the CUT homeobox family. 8 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; DNA-binding; Transcription factor Chromosomal Location of Human Ortholog: 7q22.1 Cellular Component: integral to Golgi membrane; cytosol; nucleus Molecular Function: sequence-specific DNA binding; chromatin binding Biological Process: regulation of transcription from RNA polymerase II promoter; intra-Golgi vesicle-mediated transport; transcription, DNA-dependent; multicellular organismal development; positive regulation of transcription from RNA polymerase II promoter; auditory receptor cell differentiation; negative regulation of transcription from RNA polymerase II promoter; positive regulation of dendrite morphogenesis; kidney development; lung development
Research Articles on CUTL1	**1.** Suggest that CUTL1 may regulate the proliferation of malignant melanoma by modulating the expression of cell cycle-related proteins.
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Online datasheet: https://www.mybiosource.com/monoclonal-antibody/cutl1/6185757