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ONECUT3 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1836a

Product Information

Application	WB, IHC, E
Primary Accession	O60422
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	10B2F5
Isotype	IgG1
Calculated MW	50037
Description	The protein encoded by this gene is a transcriptional activator. It can bind the consensus DNA sequence 5'-DHWATTGAYTWWD-3' on a variety of gene promoters such as those of HNF3B and TTR(By similarity).
Immunogen	Purified recombinant fragment of human ONECUT3 (AA: 350-455) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	390874
Other Names	One cut domain family member 3, One cut homeobox 3, Transcription factor ONECUT-3, OC-3, ONECUT3
Dilution	WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 E~~1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ONECUT3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ONECUT3
Function	Transcriptional activator. Binds the consensus DNA sequence 5'-DHWATTGAYTWWD-3' on a variety of gene promoters such as those of HNF3B and TTR (By similarity).

Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108, ECO:0000255|PROSITE-ProRule:PRU00374}

Background

The product of this gene transfers fucose to N-acetyllactosamine polysaccharides to generate fucosylated carbohydrate structures. It catalyzes the synthesis of the non-sialylated antigen, Lewis x (CD15). ;

References

1. Biochem Biophys Res Commun. 2002 Apr 12;292(4):848-54.

Images

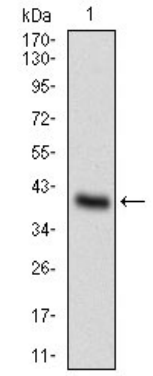


Figure 1: Western blot analysis using ONECUT3 mAb against human ONECUT3 recombinant protein. (Expected MW is 38.2 kDa)

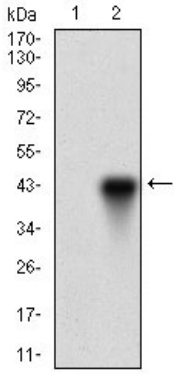


Figure 2: Western blot analysis using ONECUT3 mAb against HEK293 (1) and ONECUT3 (AA: 350-455)-hIgGFc transfected HEK293 (2) cell lysate.

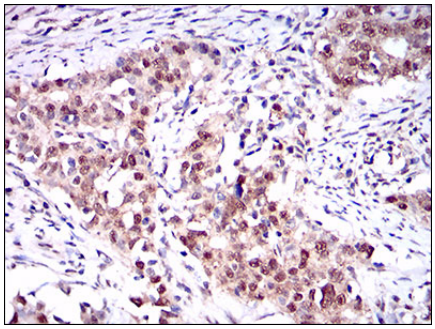


Figure 3: Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using ONECUT3 mouse mAb with DAB staining.

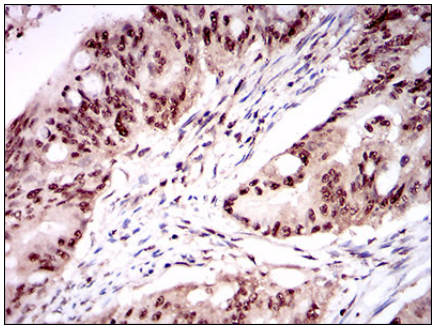


Figure 4: Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using ONECUT3 mouse mAb with DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.