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UTF1 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1767a

Product Information

Application	WB, FC, E
Primary Accession	Q5T230
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	5B6
Isotype	IgG1
Calculated MW	36439
Description	Undifferentiated transcription factor-1 (UTF-1) is used as marker for the undifferentiated state of pluripotent stem cells.UTF1 is a chromatin-associated protein with core histone-like properties. UTF1 further acts as a transcriptional repressor and is required for proper differentiation of pluripotent cells.
Immunogen	Purified recombinant fragment of human UTF1 (AA: 148-214) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	8433
Other Names	Undifferentiated embryonic cell transcription factor 1, UTF1 (HGNC:12634)
Dilution	WB~~1/500 - 1/2000 FC~~1/200 - 1/400 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	UTF1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	UTF1 (HGNC:12634)
Function	Acts as a transcriptional coactivator of ATF2.
Cellular Location	Nucleus.

References

1.Int J Exp Pathol. 2011 Oct;92(5):326-32.2.Stem Cell Res. 2009 May;2(3):211-8.

Images

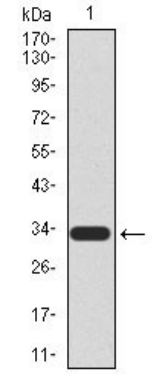


Figure 1: Western blot analysis using UTF1 mAb against human UTF1 recombinant protein. (Expected MW is 32.8 kDa)

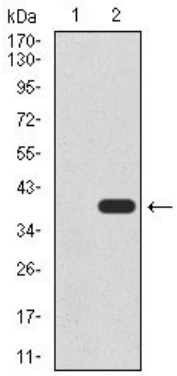


Figure 2: Western blot analysis using UTF1 mAb against HEK293 (1) and UTF1 (AA: 148-214)-hIgGFc transfected HEK293 (2) cell lysate.

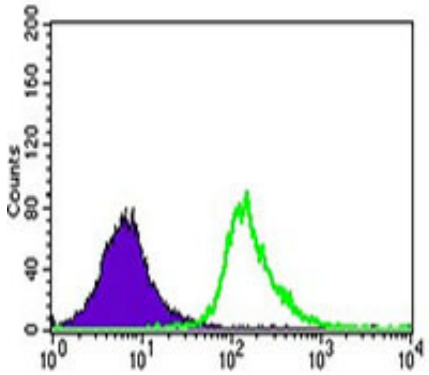


Figure 3: Flow cytometric analysis of K562 cells using UTF1 mouse mAb (green) and negative control (purple).

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