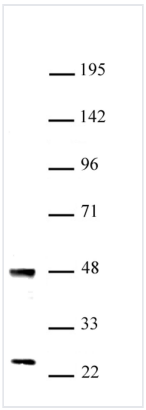
UTF1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	UTF1, Polyclonal Antibody
Full Product Name	UTF1 antibody
Product Gene Name	anti-UTF1 antibody
Product Synonym Names	RABBIT ANTI HUMAN UTF1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Purified IgG - liquid Phosphate buffered saline 0.035% Sodium Azide (NaN3), 30% Glycerol
Purity/Purification	Antiserum to human UTF1 was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Preparation and Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20 degree C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8 degree C for short term use (up to 4 weeks) and store the remaining aliquots at -20 degree C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.
Molecular Weight	36,439 Da
OMIM	AB011076 mRNA
3D Structure	ModBase 3D Structure for Q5T230
Species Cross-Reactivity	Mouse:Yes
Immunogen	A peptide within the N-terminal region of human UTF1
Applications Tested/Suitable for anti-UTF1 antibody	Western Blot (WB)
Application Notes for anti-UTF1 antibody	WB: Yes; Min Dilution: 1/500; Max Dilution: 1/1000
Related Product Information for anti-UTF1 antibody	Rabbit anti Human UTF1 antibody recognizes undifferentiated embryonic cell transcription factor 1. UTF1 is a protein expressed in the nuclei of pluripotent cells such as embryonic stem cells and embryonic carcinoma cells where it regulates chromatin state and mRNA levels by promoting degradation of mRNA (Jia et al. 2012). Expression of UTF1 quickly reduces upon differentiation. UTF1 is overexpressed in cervical cancer cells
Other Notes	Small volumes of anti-UTF1 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 UTF1 purchase	MBS226644 is an antibody targeting UTF1. Also known as UTF1 antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-UTF1 antibody
Western blot analysis of mouse ES nuclear extract (20ug) probed with UTF1 antibody (MBS226644) at a 1/1000 dilution.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UTF1. It may not necessarily be applicable to this product.

NCBI GI #	71043876
NCBI GeneID	8433
NCBI Accession #	NP_003568.2
UniProt Primary Accession #	Q5T230
UniProt Secondary Accession #	O75833; Q6J1H3
UniProt Related Accession #	Q5T230
GenBank Nucleotide #	NM_003577.2
NCBI Official Full Name	undifferentiated embryonic cell transcription factor 1
NCBI Official Synonym Full Names	undifferentiated embryonic cell transcription factor 1
NCBI Official Symbol	UTF1
UniProt Protein Name	Undifferentiated embryonic cell transcription factor 1
Protein Family	Undifferentiated embryonic cell transcription factor
UniProt Gene Name	UTF1
NCBI Protein Information	undifferentiated embryonic cell transcription factor 1
NCBI Summary for UTF1	The protein encoded by this gene is a leucine zipper-containing transcriptional coactivator that may link the upstream activator ATF2 with the basal transcription complex. The encoded protein is closely associated with chromatin and is required for the proper differentiation of embryonic carcinoma and embryonic stem cells. Found nearly exclusively in pluripotent cells, this protein can also serve as a transcriptional repressor. [provided by RefSeq, Nov 2015]
UniProt Comments for UTF1	UTF1: Acts as a transcriptional coactivator of ATF2. Binds to the N-terminal region of ATF2. Associates with the TFIID complex through interaction with TBP. Chromosomal Location of Human Ortholog: 10q26.3 Cellular Component: nucleus Molecular Function: protein binding; transcription coactivator activity Biological Process: male gonad development; positive regulation of transcription from RNA polymerase II promoter; regulation of transcription from RNA polymerase II promoter

Research Articles on UTF1	**1.** With a sensitivity of 100% and a specificity of 97% in the detection of central nervous system (CNS) germinomas, UTF1 serves as a new reliable alternative in the diagnostic setting of CNS germ cell tumours.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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