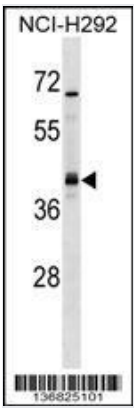
# UTF1 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | UTF1, Polyclonal Antibody |
| **Full Product Name** | UTF1, ID (UTF1, Undifferentiated embryonic cell transcription factor 1) (FITC) |
| **Product Gene Name** | anti-UTF1 antibody |
| **Product Synonym Names** | UTF1; Undifferentiated embryonic cell transcription factor 1 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC). |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Preparation and Storage** | Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. |
| **Molecular Weight** | 36,439 Da |
| **OMIM** | AB011076 mRNA |
| **3D Structure** | ModBase 3D Structure for Q5T230 |
| **Immunogen** | UTF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 100-129 amino acids from the Central region of human UTF1. |
| **Conjugate** | FITC |
| **Note** | Preservative Free |
| **Special Handling** | Light sensitive |
| **Product Categories/Family for anti-UTF1 antibody** | Antibodies; Transcription Factors |
| **Applications Tested/Suitable for anti-UTF1 antibody** | Western Blot (WB), FLISA |
| **Application Notes for anti-UTF1 antibody** | WB: 1:100-500<br>FLISA: 1:1,000<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-UTF1 antibody** | MBS6362040 is an antibody targeting UTF1. Also known as UTF1, ID (UTF1, Undifferentiated embryonic cell transcription factor 1) (FITC). Reactive in Human. Host: Rabbit. UTF1 acts as a transcriptional coactivator of ATF2. |
| **Product References and Citations for anti-UTF1 antibody** | Wang, P., et al. Am. J. Clin. Pathol. 134(4):604-612(2010). Thummer, R.P., et al. DNA Cell Biol. 29(5):241-248(2010). Zhao, Y., et al. Cell Stem Cell 3(5):475-479(2008). Kristensen, D.M., et al. Hum. Reprod. 23(4):775-782(2008). Deloukas, P., et al. Nature 429(6990):375-381(2004). |
| **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. |




**Western Blot (WB) of anti-UTF1 antibody**
UTF1 Antibody (Center) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the UTF1 antibody detected the UTF1 protein (arrow).

## ADDITIONAL DETAILS

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

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| **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.<br><br>Chromosomal Location of Human Ortholog: 10q26.3<br><br>Cellular Component: nucleus<br><br>Molecular Function: protein binding; transcription coactivator activity<br><br>Biological Process: male gonad development; positive regulation of transcription from RNA polymerase II promoter; regulation of transcription from RNA polymerase II promoter |

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| **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. |
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