bs-12207R **[Primary Antibody]**

UTF1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 8433

Target: UTF1

Immunogen: KLH conjugated synthetic peptide derived from Human UTF1: 101-170/341.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: UTF1 is a 341 amino acid protein that localizes to the nucleus and is subject to post-translational phosphorylation. Associating with the TFIID complex via an interaction with the TATA box binding protein (TFIID), UTF1 binds to the N-terminal region of ATF-2 and, via this binding, acts as a transcriptional coactivator of ATF-2, thereby enhancing transcriptional activity. Human UTF1 shares 64% homology with its mouse counterpart, suggesting a similar role between species. The gene encoding UTF1 maps to human chromosome 10, which houses over 1,200 genes and comprises nearly 4.5% of the human genome. Defects in some of the genes that map to chromosome 10 are associated with Charcot-Marie Tooth disease, Jackson-Weiss syndrome, Usher syndrome, nonsyndromatic deafness, Wolman’ s syndrome, Cowden syndrome, multiple endocrine neoplasia type 2 and porphyria.

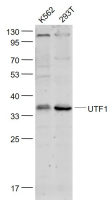
Applications: **WB** (1:500-2000)

Reactivity: Human (predicted: Mouse, Rat, Cow)

Predicted MW.: 36 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



Sample: K562(Human) Cell Lysate at 30 ug 293T(Human) Cell Lysate at 30 ug Primary: Anti-UTF1 (bs-12207R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 36 kD Observed band size: 36 kD

SELECTED CITATIONS

- **[IF=4.8]** Jie Su. et al. Study of spermatogenic and Sertoli cells in the Hu sheep testes at different developmental stages. FASEB J. 2023 Jul;37(8):e23084 IF ;Sheep. 37410073
- **[IF=1.6]** Ali Tugrul Akin. et al. Effects of adriamycin on cell differentiation and proliferation in rat testis. BIOTECH HISTOCHEM. 2023 Sep 01 IHC ;Rat. 37655584