

Rabbit anti-Human WBSCR22 Polyclonal Antibody | anti-BUD23 antibody

Anti-WBSCR22 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256044	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

WBSCR22; Polyclonal Antibody; Anti-WBSCR22 Antibody; Rabbit Polyclonal; WBSCR22 Antibody; Rabbit PAb; Antigen Affinity Purified; Williams Beuren syndrome chromosome region 22; Anti-HASJ4442 Antibody; Anti-HUSSY-3 Antibody; Anti-MERM1 Antibody; Anti-PP3381 Antibody; Anti-WBMT Antibody; anti-BUD23 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human WBSCR22
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-BUD23 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human WBSCR22 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human WBSCR22 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

WBSCR22 was immunoprecipitated using: Lane A: 0.5 mg K562 Whole Cell Lysate 4 uL anti-WBSCR22 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-WBSCR22 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 34 kDa. Observed band size: 34 kDa.



IHC (Immunohistochemistry)

Immunochemical staining of human WBSCR22 in human pancreas with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human WBSCR22 in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-WBSCR22 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: HCT116 Whole Cell Lysate Lane C: K562 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 34 kDa Observed band size: 34 kDa (We are unsure as to the identity of these extra bands).

ADDITIONAL INFORMATION

Related Product Information for anti-BUD23 antibody

One of the proteins involved in modifying ribosomes so they are functional is called BUD23. BUD23 in *Saccharomyces cerevisiae* encodes for a class I methyltransferase, and deletion of the gene results in slow growth and random budding phenotypes. Deletion of BUD23 leads to reduced levels of the small (40S) ribosomal subunit, and a block in processing 20S rRNA to 18S rRNA, a late step in 40S maturation. Bud23 protein, but not its methyltransferase activity, is important for biogenesis and export of the 40S subunit in yeast. Baxter et al. found that ribosomes in human cells with no BUD23 were different than in normal cells and that cells without BUD23 produced different proteins, which did not always perform their roles correctly. Proteins in the mitochondria are one of the main groups affected by the absence of BUD23.

References

White J, et al. (2008) Bud23 methylates g1575 of 18s rRNA and is required for efficient nuclear export of pre-40s subunits. *Mol Cell Biol* 28 (10): 3151-3161. Lin JL, et al. (2012) New phenotypes generated by the g57r mutation of bud23 in *saccharomyces cerevisiae*. *Yeast* 29 (12): 537-546. Baxter M, et al. (2020) Cardiac mitochondrial function depends on bud23 mediated ribosome programming. *Elife* 9: e50705.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/wbscr22-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/256044>