

ZBED3 Antibody

Catalog # ASC10885

Specification

ZBED3 Antibody - Product Information

Application Primary Accession Other Accession Reactivity Host Clonality Isotype Application Notes WB <u>O96IU2</u> <u>NP_115743</u>, <u>14150185</u> Human, Mouse, Rat Rabbit Polyclonal IgG ZBED3 antibody can be used for detection of ZBED3 by Western blot at 1 - 2 μg/mL. Despite its predicted molecular weight, ZBED3 often migrates at a higher position in SDS-PAGE.

ZBED3 Antibody - Additional Information

Gene ID 84327 Target/Specificity ZBED3; This antibody is predicted to have no cross-reactivity to ZBED1 or ZBED2.

Reconstitution & Storage

ZBED3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions ZBED3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ZBED3 Antibody - Protein Information

Name ZBED3

Function

Acts as a positive regulator in the activation of the canonical Wnt/beta-catenin signaling pathway by stabilizing cytoplasmic beta-catenin (By similarity). Involved in transcription activation of Wnt target gene expression (By similarity). Plays a role in symmetric division of blastomeres in the early stages of embryogenesis via regulation of mitotic spindle central positioning and organization of the F-actin filament network (By similarity). Plays a role in regulating the distribution of cellular organelles, via modulation of cytoskeletal dynamics and cytoplasmic lattice formation (By similarity).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q9D0L1}. Membrane {ECO:0000250|UniProtKB:Q9D0L1}. Secreted



Tissue Location

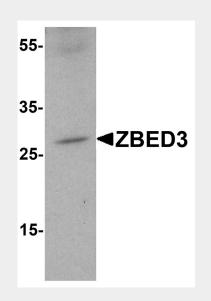
Secreted in blood plasma, and expressed in skeletal muscle and adipose tissue (at protein level)

ZBED3 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

ZBED3 Antibody - Images



Western blot analysis of ZBED3 in A20 cell lysate with ZBED3 antibody at 1 μ g/mL.

ZBED3 Antibody - Background

ZBED3 Antibody: Axin is a key modulator of the Wnt/beta-catenin pathway and acts as a scaffold protein in phosphorylating and degrading cytoplasmic beta-catenin. ZBED3, a member of the Zinc finger BED-type domain containing superfamily, has been recently identified as an Axin-interacting protein and has been suggested to modulate the Wnt/beta-catenin signaling pathway. RNA interference (RNAi) experiments targeting ZBED3 RNA attenuated Wnt-induced beta-catenin accumulation, lymphoid enhancer binding factor-1-dependent luciferase reporter activity, and Wnt gene expression.

ZBED3 Antibody - References

Chen T, Li M, Ding Y, et al. Identification of Zinc-finger BED domain containing 3 (Zbed3) as a novel axin-interacting protein that activates Wnt/b-catenin signaling. J. Biol. Chem.2009; 284:6683-9.