

ZBED1 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13181**Specification**

ZBED1 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O96006
Other Accession	NM_004729 , NP_004720
Reactivity	Human, Rabbit, Horse, Yeast, Bovine
Predicted	Human, Rabbit, Horse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	78kDa kDa

ZBED1 antibody - C-terminal region - Additional Information**Gene ID 9189**Alias Symbol **ALTE, DREF, KIAA0785, TRAMP, hDREF****Other Names**

Zinc finger BED domain-containing protein 1, Putative Ac-like transposable element, dREF homolog, ZBED1, ALTE, DREF, KIAA0785, TRAMP

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-ZBED1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

ZBED1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

ZBED1 antibody - C-terminal region - Protein Information**Name ZBED1****Function**

Functions as an E3-type small ubiquitin-like modifier (SUMO) ligase which sumoylates CHD3/Mi2-alpha, causing its release from DNA (PubMed: [27068747](http://www.uniprot.org/citations/27068747)). This results in suppression of CHD3/Mi2-alpha transcription repression, increased recruitment of RNA polymerase II to gene promoters and positive regulation of transcription including H1-5 and ribosomal proteins such as: RPS6, RPL10A, and RPL12 (PubMed: [12663651](http://www.uniprot.org/citations/12663651), PubMed: [17209048](http://www.uniprot.org/citations/17209048), PubMed: [17209048](http://www.uniprot.org/citations/17209048)).

href="http://www.uniprot.org/citations/17220279" target="_blank">17220279, PubMed:27068747). The resulting increased transcriptional activity drives cell proliferation (PubMed:12663651, PubMed:17220279). Binds to 5'-TGTCG[CT]GA[CT]A-3' consensus sequences in gene promoters of ribosomal proteins (PubMed:12663651, PubMed:17209048, PubMed:17220279, PubMed:27068747).

Cellular Location

Nucleus, PML body. Nucleus. Note=In granular structures

Tissue Location

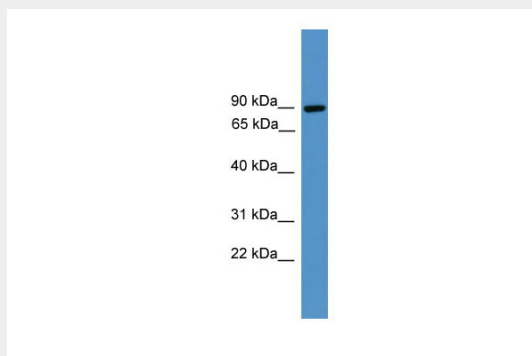
Ubiquitously expressed at low levels (PubMed:9887332). Expression is highest in skeletal muscle, heart, spleen and placenta (PubMed:9887332).

ZBED1 antibody - C-terminal region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ZBED1 antibody - C-terminal region - Images



WB Suggested Anti-ZBED1 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:12500

Positive Control: Jurkat cell lysate

ZBED1 antibody - C-terminal region - References

Esposito T.,et al.Hum. Mol. Genet. 8:61-67(1999).

Nagase T.,et al.DNA Res. 5:277-286(1998).

Ross M.T.,et al.Nature 434:325-337(2005).

Ohshima N.,et al.J. Biol. Chem. 278:22928-22938(2003).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).