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ZBED1 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13181

Product Information

Application	WB
Primary Accession	O96006
Other Accession	NM_004729, NP_004720
Reactivity	Human, Rabbit, Horse, Bovine, Yeast
Predicted	Human, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	78156

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.

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). 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, PubMed:17209048, PubMed: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).

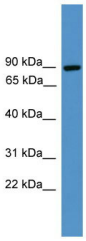
Cellular Location Nucleus, PML body. Nucleus. Note=In granular structures

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

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).

Images



WB Suggested Anti-ZBED1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:12500
Positive Control: Jurkat cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.