

ZBTB48 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10288**Specification****ZBTB48 antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	P10074
Other Accession	NM_005341 , NP_005332
Reactivity	Human, Mouse, Rat, Pig, Horse, Bovine, Dog
Predicted Host	Human, Mouse, Rat, Chicken, Bovine, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 37kDa KDa

ZBTB48 antibody - N-terminal region - Additional Information**Gene ID** 3104**Alias Symbol** **HKR3, pp9964, ZNF855****Other Names**

Zinc finger and BTB domain-containing protein 48, Krueppel-related zinc finger protein 3, Protein HKR3, Zinc finger protein 855, ZBTB48, HKR3, ZNF855

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-ZBTB48 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

ZBTB48 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

ZBTB48 antibody - N-terminal region - Protein Information**Name** ZBTB48 ([HGNC:4930](#))**Function**

Telomere-binding protein that acts as a regulator of telomere length (PubMed:[28500257](http://www.uniprot.org/citations/28500257), PubMed:[28082411](http://www.uniprot.org/citations/28082411)). Directly binds the telomeric double-stranded 5'-TTAGGG-3' repeat (PubMed:[28500257](http://www.uniprot.org/citations/28500257), PubMed:[28082411](http://www.uniprot.org/citations/28082411)). Preferentially binds to telomeres that have a low concentration of shelterin complex and acts as a regulator of

telomere length by initiating telomere trimming, a process that prevents the accumulation of aberrantly long telomeres (PubMed:28082411). Also acts as a transcription regulator that binds to promoter regions (PubMed:7969177, PubMed:24382891, PubMed:28500257). Regulates expression of a small subset of genes, including MTFP1 (PubMed:28500257). Regulates expression the J and/or S elements in MHC II promoter (PubMed:7969177). Acts as a negative regulator of cell proliferation by specifically activating expression of ARF, a tumor suppressor isoform of CDKN2A (PubMed:24382891).

Cellular Location

Nucleus. Chromosome, telomere Note=Directly binds the telomeric double-stranded 5'-TTAGGG-3' repeat (PubMed:28500257, PubMed:28082411). According to a report, preferentially binds to long telomeres that have a low concentration of shelterin complex, competing with the telomeric repeat binding factors TERF1 and TERF2 (PubMed:28082411). According to another report, binds telomeres regardless of their length (PubMed:28500257)

Tissue Location

Detected in adrenal gland and neuroblastoma.

ZBTB48 antibody - N-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](#)

