

ZBTB1 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS15825**Specification**

ZBTB1 Antibody - Product Information

Application	IHC
Primary Accession	O9Y2K1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	82kDa KDa

ZBTB1 Antibody - Additional Information**Gene ID** 22890**Other Names**

Zinc finger and BTB domain-containing protein 1, ZBTB1, KIAA0997

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

ZBTB1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ZBTB1 Antibody - Protein Information**Name** ZBTB1**Synonyms** KIAA0997**Function**

Acts as a transcriptional repressor (PubMed:20797634). Represses cAMP-responsive element (CRE)-mediated transcriptional activation (PubMed:21706167). In addition, has a role in translesion DNA synthesis. Requires for UV-inducible RAD18 loading, PCNA monoubiquitination, POLH recruitment to replication factories and efficient translesion DNA synthesis (PubMed:24657165). Plays a key role in the transcriptional regulation of T lymphocyte development (By similarity).

Cellular Location

Nucleus. Nucleus, nucleoplasm. Note=Localized in dot-like structures in the nucleus (PubMed:21706167). Colocalized with SMRT in nuclear bodies (PubMed:20797634). The sumoylated form is preferentially located in the nucleoplasm outside the nuclear bodies(PubMed:20797634)

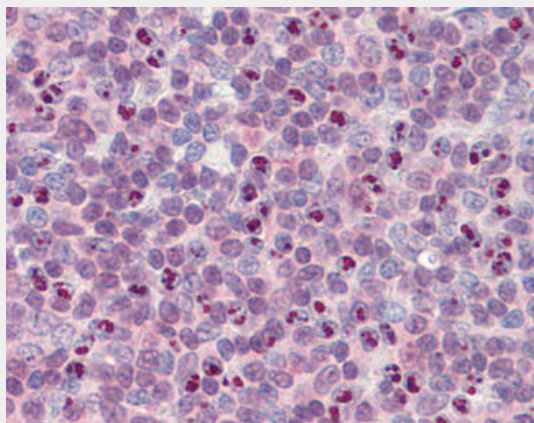
Volume
50 µl

ZBTB1 Antibody - 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](#)

ZBTB1 Antibody - Images



Anti-ZBTB1 antibody IHC staining of human tonsil.

ZBTB1 Antibody - Background

Acts as a transcriptional repressor. Represses cAMP- responsive element (CRE)-mediated transcriptional activation. Involved in lymphoid lineage commitment and differentiation. Plays a key role in the instruction of early lymphoid progenitors to develop into T-cell lineage.

ZBTB1 Antibody - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Nagase T.,et al.DNA Res. 6:63-70(1999).
Heilig R.,et al.Nature 421:601-607(2003).
Li W.B.,et al.Submitted (FEB-2003) to the EMBL/GenBank/DDBJ databases.
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).