

ZBRK1 Antibody
Catalog # ASC10774**Specification**

ZBRK1 Antibody - Product Information

Application	WB
Primary Accession	O9GZX5
Other Accession	NP_067645 , 59710107
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	ZBRK1 antibody can be used for detection of ZBRK1 by Western blot at 1 µg/mL.

ZBRK1 Antibody - Additional Information

Gene ID	59348
Target/Specificity	
ZNF350;	

Reconstitution & Storage

ZBRK1 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

ZBRK1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ZBRK1 Antibody - Protein Information

Name ZNF350

Synonyms ZBRK1

Function

Transcriptional repressor. Binds to a specific sequence, 5'- GGGxxxCAGxxxTTT-3', within GADD45 intron 3.

Cellular Location

Nucleus. Nucleus matrix. Note=Associated with the nuclear matrix

Tissue Location

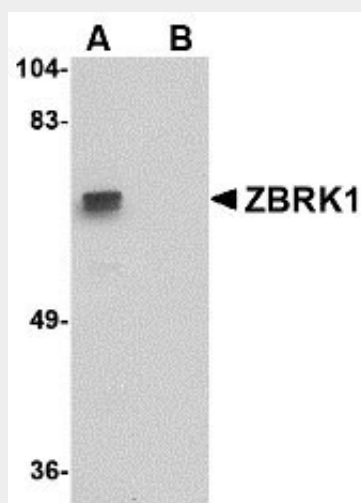
Widely expressed..

ZBRK1 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](#)

ZBRK1 Antibody - Images



Western blot analysis of ZBRK1 in A-20 lysate with ZBRK1 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

ZBRK1 Antibody - Background

ZBRK1 Antibody: ZBRK1 is a member of the Kruppel-associated box-zinc finger protein (KRAB-ZFP) protein family of transcriptional repressors. ZBRK1 has been shown to not only be up-regulated in senescent fibroblasts but also interacts with BRCA1, a transcriptional regulator with tumor suppressor activity. ZBRK1 binds to a specific sequence within the GADD45 gene, supporting the assembly of a nuclear complex containing BRCA1 and repressing its transcription. Recent experiments demonstrate that ZBRK1 can homo-oligomerize in vitro and in vivo through a C-terminal transcriptional repression domain (CTRD), and this oligomerization facilitates the ZBRK1-directed transcriptional repression through ZBRK1 response elements. These results suggest that higher order ZBRK1 oligomers may assemble through both protein-DNA and CTRD-dependent protein-protein interactions.

ZBRK1 Antibody - References

Zheng L, Pan H, Li S, et al. Sequence-specific transcription corepressor function for BRCA1 through a novel Zinc finger protein, ZBRK1. *Mol. Cell* 2000; 6:757-68.
Collins T, Stone JR, and Williams AJ. All in the family: the BTB/POZ, KRAB, and SCAN domains. *Mol. Cell. Biol.* 2001; 21:3609-15.
Tan W, Kim S, and Boyer TG. Tetrameric oligomerization mediates transcriptional repression by the BRCA1-dependent Kruppel-associated Box-Zinc finger protein ZBRK1. *J. Biol. Chem.* 2004; 279:55153-60.