

**ZBRK1 Antibody**  
**Catalog # ASC10774****Specification**

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**ZBRK1 Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">O9GZX5</a>
Other Accession	<a href="#">NP_067645</a> , <a href="#">59710107</a>
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
<b>Target/Specificity</b>	
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**

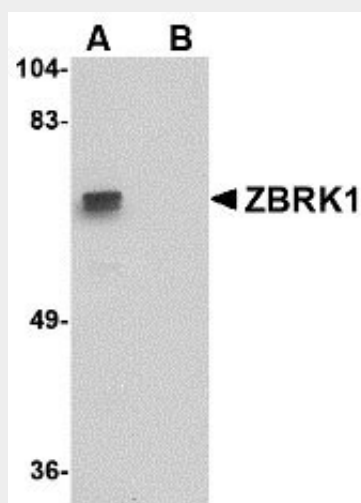
Widely expressed..

**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.