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ZBRK1 Antibody

Catalog # ASC10774

Product Information

Application	WB, E
Primary Accession	Q9GZX5
Other Accession	NP_067645, 59710107
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	60011
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	ZBRK1 antibody can be used for detection of ZBRK1 by Western blot at 1 g/mL.

Additional Information

Gene ID	59348
Other Names	Zinc finger protein 350, KRAB zinc finger protein ZFQR, Zinc finger and BRCA1-interacting protein with a KRAB domain 1, Zinc finger protein ZBRK1, ZNF350, ZBRK1
Target/Specificity	ZNF350;
Reconstitution & Storage	ZBRK1 antibody can be stored at 4℃ for three months and -20℃, 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.

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..

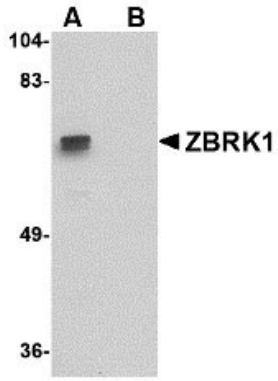
Background

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.

References

Zheng L, Pan H, Li S, et al. Sequence-specific transcription corepressor function for BRCA1 through a novel Zinc finger protein, ZBRK1. Mol. Cell2000; 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.

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.

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