



## Rabbit Anti-ZRANB2 antibody

SL16413R

<b>Product Name:</b>	ZRANB2
<b>Chinese Name:</b>	Zinc finger proteinZNF265抗体
<b>Alias:</b>	ZRANB 2; DKFZp686J1831; DKFZp686N09117; FLJ41119; OTTHUMP00000011240; OTTHUMP00000011241; ZRAB2_HUMAN; Zinc finger protein 265; Zinc finger RAN binding domain containing 2; Zinc finger Ran binding domain containing protein 2; Zinc finger splicing; ZIS; ZIS1; ZIS2; ZNF265.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	37kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human ZRANB2:101-200/330
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. ZNF265 (Zinc finger protein 265), also known as ZRANB2 (Zinc finger Ran-binding domain-containing protein 2), ZIS, ZIS1 or ZIS2, is a 330 amino acid

protein that belongs to the ZRANB2 family. Localized to the nucleus, ZNF265 functions as a splicing factor that is responsible for alternatively splicing Tra-2] (transformer-2 beta) transcripts and is thought to interfere with constitutive 5'-splice selection. ZNF265 contains two RanBP2-type zinc fingers through which it conveys its RNA-binding activity. Two isoforms, designated ZIS-1 and ZIS-2, are expressed due to alternative splicing events. Upon DNA damage, ZIS-2 may be phosphorylated by ATM or ATR.

**Function:**

ZRANB2 is a splice factor required for alternative splicing of SFRS10/TRA2B transcripts. It may interfere with constitutive 5'-splice site selection.

**Subunit:**

Interacts with the C-terminal half of SNRNP70, the Arg/Ser-rich domain of AKAP17A as well as with U2AF1 and CLK1.

**Subcellular Location:**

Nuclear

**Post-translational modifications:**

Isoform 2 is phosphorylated on Ser-310 upon DNA damage, probably by ATM or ATR.

**Similarity:**

Belongs to the ZRANB2 family.  
Contains 2 RanBP2-type zinc fingers.

**SWISS:**

O95218

**Gene ID:**

9406

**Database links:**

[Entrez Gene: 9406](#) Human

[Entrez Gene: 53861](#) Mouse

[Entrez Gene: 58821](#) Rat

[Omim: 604347](#) Human

[SwissProt: O95218](#) Human

[SwissProt: Q9R020](#) Mouse

[SwissProt: O35986](#) Rat

[Unigene: 194718](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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