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ZNF365 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10262

Product Information

Application	WB
Primary Accession	Q70YC5
Other Accession	NM_199451, NP_955523
Reactivity	Human, Mouse, Rat, Dog, Horse, Bovine
Predicted	Pig, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46542

Additional Information

Gene ID	22891
Alias Symbol	UAN, Su48, ZNF365D
Other Names	Protein ZNF365, Protein su48, ZNF365, KIAA0844
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 100 ul of distilled water. Final anti-ZNF365 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	ZNF365 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZNF365
Synonyms	DBZ {ECO:0000303|PubMed:17389905}, KIAA0
Function	Involved in the regulation of neurogenesis. Negatively regulates neurite outgrowth (PubMed:17389905). Involved in the morphogenesis of basket cells in the somatosensory cortex during embryogenesis. Involved in the positive regulation of oligodendrocyte differentiation during postnatal growth. Involved in dendritic arborization, morphogenesis of spine density dendrite, and establishment of postsynaptic dendrite density in cortical pyramidal neurons (By similarity). Involved in homologous recombination (HR) repair pathway. Required for proper resolution of DNA double-strand breaks (DSBs) by HR. Is required for recovery of stalled replication forks, and directly

	contributes to genomic stability. Interacts with PARP1 and mediates MRE11-dependent DNA end resection during replication fork recovery (PubMed:23966166). Contributes to genomic stability by preventing telomere dysfunction (PubMed:23776040).
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=localizes to the centrosome at all stages of the cell cycle
Tissue Location	Isoform 1 is expressed in brain. Isoform 2 is expressed in placenta and at low level in lung and liver. Isoform 3 is expressed in kidney and pancreas. Isoform 1 is expressed exclusively in brain (PubMed:17389905).

References

Gianfrancesco,F., et al., (2003) Am. J. Hum. Genet. 72 (6), 1479-1491Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images

