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ZER1 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI14391

Product Information

Application	WB
Primary Accession	Q7Z7L7
Other Accession	NM_006336, NP_006327
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	88169

Additional Information

Gene ID	10444
Alias Symbol	C9orf60, Hzyg, RP11-545E17.4, ZYG, ZYG11BL
Other Names	Protein zer-1 homolog, Hzyg, Zyg-11 homolog B-like protein, ZER1, C9orf60, ZYG, ZYG11BL
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-ZER1 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	ZER1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

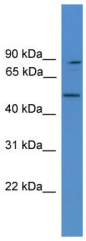
Name	ZER1 (HGNC:30960)
Function	Serves as substrate adapter subunit in the E3 ubiquitin ligase complex ZYG11B-CUL2-Elongin BC (PubMed:17304241, PubMed:31273098). Acts to target substrates bearing N-terminal degrons for proteasomal degradation with the first four residues of substrates being the key recognition elements (PubMed:33093214, PubMed:34214466, PubMed:36496439). Involved in the clearance of proteolytic fragments generated by caspase cleavage during apoptosis since N-terminal glycine degrons are strongly enriched at caspase cleavage sites. Also important in the quality control of protein N-myristoylation in which N-terminal glycine degrons are conditionally exposed after a failure of N- myristoylation (PubMed:31273098).

Tissue Location	Expressed in testis, spermatocytes and spermatids (at protein level). Expressed in spermatocytes, spermatids, prostate, skeletal muscle, ovary, small intestine, heart, brain and pancreas

References

Feral C.,et al.Mol. Hum. Reprod. 7:1115-1122(2001).
Humphray S.J.,et al.Nature 429:369-374(2004).
Vasudevan S.,et al.EMBO Rep. 8:279-286(2007).
Van Damme P.,et al.Proc. Natl. Acad. Sci. U.S.A. 109:12449-12454(2012).

Images



WB Suggested Anti-ZER1 Antibody Titration: 1.0 µg/ml
Positive Control: RPMI-8226 Whole Cell.ZER1 is strongly supported by BioGPS gene expression data to be expressed in RPMI-8226

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