

Product datasheet for **TA340257**

ASZ1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-ASZ1 antibody: synthetic peptide directed towards the middle region of human ASZ1. Synthetic peptide located within the following region: GKMPSEIAKRNRKHHEIFNLLSFTLNPLEGKLQQLTKEDTICKILTSDSR
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	53 kDa
Gene Name:	ankyrin repeat, SAM and basic leucine zipper domain containing 1
Database Link:	NP_570124 Entrez Gene 136991 Human Q8WWH4



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Background:

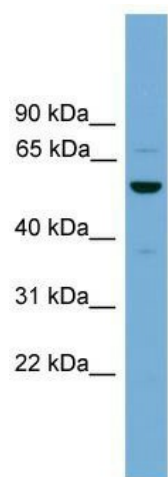
ASZ1 plays a central role during spermatogenesis by repressing transposable elements and prevent their mobilization, which is essential for the germline integrity. ASZ1 acts via the piRNA metabolic process, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and govern the methylation and subsequent repression of transposons. Its association with pi-bodies suggests a participation in the primary piRNAs metabolic process. ASZ1 is required prior to the pachytene stage to facilitate the production of multiple types of piRNAs, including those associated with repeats involved in regulation of retrotransposons. ASZ1 may act by mediating protein-protein interactions during germ cell maturation.

Synonyms:

ALP1; ANKL1; C7orf7; CT1.19; GASZ; Orf3

Note:

Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Guinea pig: 100%; Dog: 93%; Sheep: 93%; Bovine: 93%

Product images:

WB Suggested Anti-ASZ1 Antibody; Titration: 1.0 ug/ml; Positive Control: THP-1 Whole Cell