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Datasheet for ABIN1402068  
**anti-ASZ1 antibody (AA 181-220) (Alexa Fluor 647)**

### Overview

Quantity:	100 µL
Target:	ASZ1
Binding Specificity:	AA 181-220
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ASZ1 antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ASZ1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

### Target Details

Target:	ASZ1
Alternative Name:	ASZ1 ( <a href="#">ASZ1 Products</a> )
Background:	Synonyms: ALP1, GASZ, Orf3, ANKL1, C7orf7, CT1.19, Ankyrin repeat, SAM and basic leucine zipper domain-containing protein 1, Ankyrin-like protein 1, Germ cell-specific ankyrin, SAM and

## Target Details

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basic leucine zipper domain-containing protein, ASZ1

Background: Plays a central role during spermatogenesis by repressing transposable elements and preventing their mobilization, which is essential for the germline integrity. 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 governs the methylation and subsequent repression of transposons. Its association with pi-bodies suggests a participation in the primary piRNAs metabolic process. Required prior to the pachytene stage to facilitate the production of multiple types of piRNAs, including those associated with repeats involved in the regulation of retrotransposons. May act by mediating protein-protein interactions during germ cell maturation (By similarity).

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Gene ID: 136991

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UniProt: [Q8WWH4](#)

## Application Details

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Application Notes: IF(IHC-P) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months