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BAZ1A antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI10423

Product Information

Application	WB
Primary Accession	Q9NRL2
Other Accession	NM_013448, NP_038476
Reactivity	Human, Mouse, Rat, Pig, Dog, Bovine
Predicted	Human, Mouse, Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	178702

Additional Information

Gene ID	11177
Alias Symbol	ACF1, DKFZP586E0518, FLJ14383, WALp1, WCRF180, hACF1
Other Names	Bromodomain adjacent to zinc finger domain protein 1A, ATP-dependent chromatin-remodeling protein, ATP-utilizing chromatin assembly and remodeling factor 1, hACF1, CHRAC subunit ACF1, Williams syndrome transcription factor-related chromatin-remodeling factor 180, WCRF180, hWALp1, BAZ1A, ACF1, WCRF180
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-BAZ1A 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	BAZ1A antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	BAZ1A
Synonyms	ACF1, WCRF180
Function	Regulatory subunit of the ATP-dependent ACF-1 and ACF-5 ISWI chromatin remodeling complexes, which form ordered nucleosome arrays on chromatin and slide edge- and center-positioned histone octamers away from their original location on the DNA template to facilitate access to DNA during DNA-templated processes such as DNA replication, transcription, and repair

(PubMed:17099699, PubMed:28801535). Both complexes regulate the spacing of nucleosomes along the chromatin and have the ability to slide mononucleosomes to the center of a DNA template in an ATP-dependent manner (PubMed:14759371, PubMed:17099699, PubMed:28801535). The ACF-1 ISWI chromatin remodeling complex has a lower ATP hydrolysis rate than the ACF-5 ISWI chromatin remodeling complex (PubMed:28801535). Has a role in sensing the length of DNA which flank nucleosomes, which modulates the nucleosome spacing activity of the ACF-5 ISWI chromatin remodeling complex (PubMed:17099699). Involved in DNA replication and together with SMARCA5/SNF2H is required for replication of pericentric heterochromatin in S-phase (PubMed:12434153). May have a role in nuclear receptor-mediated transcription repression (PubMed:17519354).

Cellular Location

Nucleus. Note=Localizes to pericentric heterochromatin (By similarity). May target the CHRAC complex to heterochromatin (PubMed:10880450). Localizes to sites of DNA damage (PubMed:25593309). {ECO:0000250|UniProtKB:O88379, ECO:0000269|PubMed:10880450, ECO:0000269|PubMed:25593309}

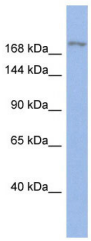
Tissue Location

Highly expressed in testis and at low or undetectable levels in other tissues analyzed

References

Ewing,A.K., (2007) Mol. Endocrinol. 21 (8), 1791-1806 Reconstitution 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



WB Suggested Anti-BAZ1A Antibody Titration: .2-1 ug/ml
ELISA Titer: 1:3125
Positive Control: Human Stomach

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