

Rabbit BRDT Polyclonal Antibody | anti-BRDT antibody

BRDT Antibody (N-term)

CATALOG # AAA285696	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Monkey)	APPLICATIONS ELISA, Western Blot
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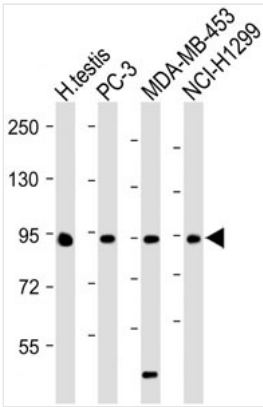
PRODUCT SYNONYMS

BRDT; Polyclonal Antibody; BRDT Antibody (N-term); Bromodomain testis-specific protein; Cancer/testis antigen 9; CT9; RING3-like protein; anti-BRDT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Clone Number	RB8492
Specificity	This BRDT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human BRDT.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	1-30
Sequence Length	947
Applicable Applications for anti-BRDT antibody	ELISA, WB (Western Blot)
Function	Testis-specific chromatin protein that specifically binds histone H4 acetylated at 'Lys-5' and 'Lys-8' (H4K5ac and H4K8ac, respectively) and plays a key role in spermatogenesis (PubMed: , PubMed:). Required in late pachytene spermatocytes: plays a role in meiotic and post-meiotic cells by binding to acetylated histones at the promoter of specific meiotic and post-meiotic genes, facilitating their activation at the appropriate time (PubMed:). In the post-meiotic phase of spermatogenesis, binds to hyperacetylated histones and participates in their general removal from DNA (PubMed: 22901802). Also recognizes and binds a subset of butyrylated histones: able to bind histone H4 butyrylated at 'Lys-8' (H4K8ac), while it is not able to bind H4 butyrylated at 'Lys-5' (H4K5ac) (By similarity). Also acts as a component of the splicing machinery in pachytene spermatocytes and round spermatids and participates in 3'-UTR truncation of specific mRNAs in post-meiotic spermatids (By similarity). Required for chromocenter organization, a structure comprised of peri-centromeric heterochromatin.
Cellular Location	Nucleus Note=Detected on chromatin. {ECO:0000250 UniProtKB:Q91Y44}
Tissue Location	Tissue Location
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
All lanes : Anti-BRDT N-term at 1:2000 dilution
Lane 1: Human testis lysate
Lane 2: PC-3 whole cell lysate
Lane 3: MDA-MB-453 whole cell lysate
Lane 4: NCI-H1299 whole cell lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 108 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-BRDT antibody	BRDT is similar to the RING3 protein family. It possesses 2 bromodomain motifs and a PEST sequence (a cluster of proline, glutamic acid, serine, and threonine residues), characteristic of proteins that undergo rapid intracellular degradation. The bromodomain is found in proteins that regulate transcription. Two transcript variants encoding the same protein have been found for this gene. Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.
References	Pivot-Pajot, C., et al., Mol. Cell. Biol. 23(15):5354-5365 (2003). Dhalluin, C., et al., Nature 399(6735):491-496 (1999). Jones, M.H., et al., Genomics 45(3):529-534 (1997).

NCBI AND UNIPROT INFORMATION

NCBI GI #	338797755
NCBI GeneID	676
NCBI Accession #	NP_001229734.1; NP_001229735.1; NP_001229736.1; NP_001229737.1; NP_001229739.1; NP_001717.2; NP_997072.1
NCBI GenBank Nucleotide #	NM_001242805.1
UniProt Accession #	Q58F21; O14789; Q05DQ4; Q6P5T1; Q7Z4A6; Q8IW16; A6NF68; B7Z811; B7Z890; B7ZAX7; D3DT32
NCBI Official Full Name	bromodomain testis-specific protein isoform b
NCBI Official Synonym Full Names	bromodomain, testis-specific
NCBI Official Symbol	BRDT
NCBI Official Synonym Symbols	CT9; BRD6
NCBI Protein Information	bromodomain testis-specific protein
UniProt Protein Name	Bromodomain testis-specific protein
UniProt Gene Name	BRDT
UniProt Synonym Gene Names	CT9
UniProt Entry Name	BRDT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/brdt-antibody-clone-rb8492-western-blot-elisa/285696>