

Rabbit anti-Human, mouse Ctr9 Polyclonal Antibody | anti-Ctr9 antibody

Mouse Ctr9 Antibody (C-term)

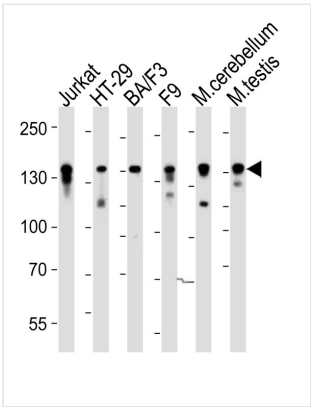
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289925	Rabbit	Human, mouse	Western Blot, Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

Ctr9; Polyclonal Antibody; Mouse Ctr9 Antibody (C-term); RNA polymerase-associated protein CTR9 homolog; SH2 domain-binding protein 1; Tetratricopeptide repeat-containing; SH2-binding phosphoprotein of 150 kDa; TPR-containing; p150TSP; Kiaa0155; Sh2bp1; anti-Ctr9 antibody

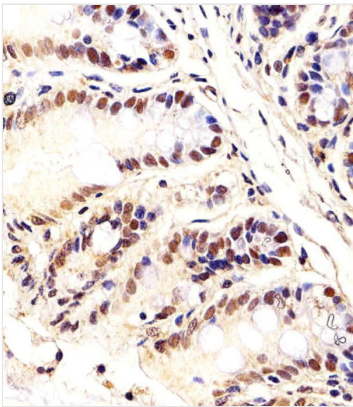
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Ctr9 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1022-1056 amino acids from the C-terminal region of Mouse Ctr9.
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 Length	1,090
Applicable Applications for anti-Ctr9 antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



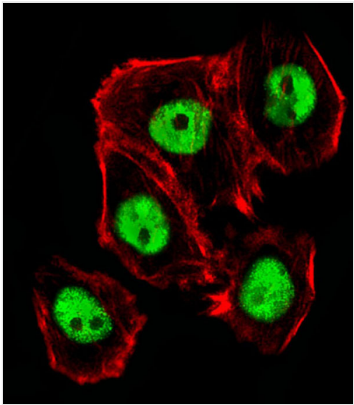
WB (Western Blot)

Western blot analysis of lysates from Jurkat, HT-29, mouse BAF3, mouse F9 cell line, mouse cerebellum, mouse testis tissue (from left to right), using Mouse Ctr9 Antibody (C-term). AAA289925 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.



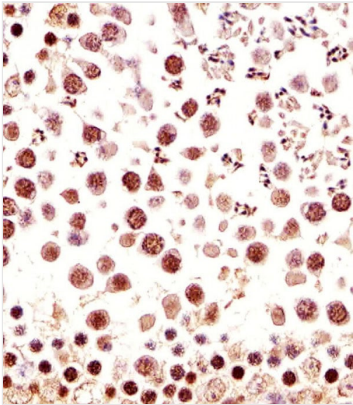
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded M. colon section using Mouse Ctr9 Antibody (C-term). AAA289925 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



IF (Immunofluorescence)

Fluorescent image of A431 cells stained with Mouse Ctr9 Antibody (C-term). AAA289925 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded M. testis section using Mouse Ctr9 Antibody (C-term). AAA289925 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

ADDITIONAL INFORMATION

Related Product Information for anti-Ctr9 antibody	Component of the PAF1 complex (PAF1C) which has multiple functions during transcription by RNA polymerase II and is implicated in regulation of development and maintenance of embryonic stem cell pluripotency. PAF1C associates with RNA polymerase II through interaction with POLR2A CTD non- phosphorylated and 'Ser-2'- and 'Ser-5'-phosphorylated forms and is involved in transcriptional elongation, acting both indepentently and synergistically with TCEA1 and in cooperation with the DSIF complex and HTATSF1. PAF1C is required for transcription of Hox and Wnt target genes. PAF1C is involved in hematopoiesis and stimulates transcriptional activity of KMT2A/MLL1. PAF1C is involved in histone modifications such as ubiquitination of histone H2B and methylation on histone H3 'Lys- 4' (H3K4me3). PAF1C recruits the RNF20/40 E3 ubiquitin-protein ligase complex and the E2 enzyme UBE2A or UBE2B to chromatin which mediate monoubiquitination of 'Lys-120' of histone H2B (H2BK120ub1); UB2A/B-mediated H2B ubiquitination is proposed to be coupled to transcription. PAF1C is involved in mRNA 3' end formation probably through association with cleavage and poly(A) factors. Required for mono- and trimethylation on histone H3 'Lys- 4' (H3K4me3) and dimethylation on histone H3 'Lys-79' (H3K4me3). Required for Hox gene transcription (By similarity). Required for the trimethylation of histone H3 'Lys-4' (H3K4me3) on genes involved in stem cell pluripotency; this function is synergistic with CXXC1 indicative for an involvement of the SET1 complex. Involved in transcriptional regulation of IL6-responsive genes and in JAK-STAT pathway; may regulate DNA-association of STAT3.
Product Categories/Family for anti-Ctr9 antibody	Crown Antibodies

References	Malek S.N.,et al.J. Biol. Chem. 271:6952-6962(1996). Carninci P.,et al.Science 309:1559-1563(2005). Okazaki N.,et al.DNA Res. 9:179-188(2002). Ballif B.A.,et al.Mol. Cell. Proteomics 3:1093-1101(2004). Youn M.Y.,et al.J. Biol. Chem. 282:34727-34734(2007).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	154090953
NCBI GeneID	22083
NCBI Accession #	NP_033457.2
NCBI GenBank Nucleotide #	NM_009431.2
UniProt Accession #	Q62018; Q3UFF5; Q3UY40; Q66JX4; Q7TPS6; Q8BND9; Q8BRD1; Q8C9W7; Q8C9Y3; Q8CHI1
Molecular Weight	133408
NCBI Official Full Name	RNA polymerase-associated protein CTR9 homolog
NCBI Official Synonym Full Names	Ctr9, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)
NCBI Official Symbol	Ctr9
NCBI Official Synonym Symbols	Tsp; Tsbp; Sh2bp1; AA409336; mKIAA0155
NCBI Protein Information	RNA polymerase-associated protein CTR9 homolog
UniProt Protein Name	RNA polymerase-associated protein CTR9 homolog
UniProt Gene Name	Ctr9
UniProt Synonym Gene Names	Kiaa0155; Sh2bp1; TPR-containing, SH2-binding phosphoprotein of 150 kDa; p150TSP
UniProt Entry Name	CTR9_MOUSE

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://www.aaabiotech.com/polyclonal/ctr9-antibody-western-blot-immunofluorescence-immunohistochemistry-elisa/289925>