

Rabbit anti-Human H2AFY Polyclonal Antibody | anti-H2AFY antibody

H2AFY Antibody

CATALOG # AAA231857	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

H2AFY; Polyclonal Antibody; H2AFY Antibody; Core histone macro-H2A.1; Histone macroH2A1; mH2A1; Histone H2A.y; H2A/y; Medulloblastoma antigen MU-MB-50.205; MACROH2A1; anti-H2AFY antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	371
Applicable Applications for anti-H2AFY antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human Core histone macro-H2A.1 protein (C-250AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-161812 / sc-161813
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



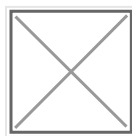
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human thyroid tissue using AAA231857 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human testis tissue using AAA231857 at dilution 1:100



WB (Western Blot)

Western blotAll lanes: H2AFY antibody at 1.43 ug/ml+Hela whole cell lysateSecondaryGoat polyclonal to rabbit IgG at 1/10000 dilutionPredicted band size: 40 kDaObserved band size: 40,35 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-H2AFY antibody	Variant histone H2A which replaces conventional H2A in a subset of nucleosomes where it represses transcription. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. Involved in stable X chromosome inactivation. Inhibits the binding of transcription factors and interferes with the activity of remodeling SWI/SNF complexes. Inhibits histone acetylation by EP300 and recruits class I HDACs, which induces a hypoacetylated state of chromatin. In addition, isoform 1, but not isoform 2, binds ADP-ribose and O-acetyl-ADP-ribose, and may be involved in ADP-ribose-mediated chromatin modulation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	93141020
NCBI GeneID	9555
NCBI Accession #	NP_001035248.1
NCBI GenBank Nucleotide #	NM_001040158.1
UniProt Accession #	O75367; O75377; Q503A8; Q7Z5E3; Q96D41; Q9H8P3; Q9UP96
Molecular Weight	39,489 Da
NCBI Official Full Name	core histone macro-H2A.1 isoform 2
UniProt Protein Name	Core histone macro-H2A.1
UniProt Gene Name	H2AFY
UniProt Synonym Gene Names	MACROH2A1; Histone macroH2A1; mH2A1; H2A/y
UniProt Entry Name	H2AY_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/h2afy-antibody-immunohistochemistry-western-blot-elisa/231857>