Datasheet for ABIN2787623

anti-H2AFY antibody (N-Term)

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1 Image

Overview

Quantity:	100 µL
Target:	H2AFY
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Cow, Horse, Dog, Guinea Pig, Rabbit, Zebrafish (Danio rerio), Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This H2AFY antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human H2AFY
Sequence:	HPKYRIGVGA PVYMAAVLEY LTAEILELAG NAARDNKKGR VTPRHILLAV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 93%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against H2AFY. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	H2AFY

Target Details

Alternative Name:	H2AFY (H2AFY Products)
Background:	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. H2AFY is a member of the histone H2A family. It replaces conventional H2A histones in a subset of nucleosomes where it represses transcription and participates in stable X chromosome inactivation. Alternative splicing results in multiple transcript variants encoding different isoforms.Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene encodes a member of the histone H2A family. It replaces conventional H2A histones in a subset of nucleosomes where it represses transcription and participates in stable X chromosome inactivation. Alternative splicing results in multiple transcript variants encoding different isoforms. Alias Symbols: H2A.y, H2A/y, H2AF12M, H2AFJ, MACROH2A1.1, mH2A1, macroH2A1.2 Protein Interaction Partner: ERICH2, UBC, SUMO2, SUMO3, HIST1H3A, H3F3A, SUZ12, EED, RNF2, EZH2, BMI1, SRPK1, LMNA, ATF2, FN1, HIST1H3B, CENPA, APP, CBX5, CBX3, DIDO1, UBD, ATXN1L, NEDD8, ERBB2, SUMO1, HDGF, HDAC2, HDAC1, PARP1, tat, CUL3, SPOP, WDR77, PHF14, DEK, XRCC5, TOP1, RAN, H Protein Size: 371
Molecular Weight:	39 kDa
Gene ID:	9555
NCBI Accession:	NM_001040158, NP_001035248
UniProt:	O75367

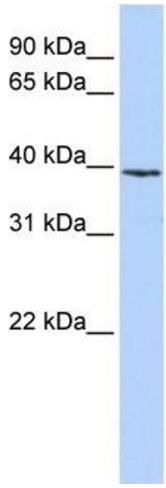
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 371 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-H2AFY Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:12500

Positive Control: MCF7 cell lysate