

Datasheet for ABIN2788644
**anti-Histone Cluster 2, H4a (HIST2H4A) (Middle Region)
antibody**

[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	Histone Cluster 2, H4a (HIST2H4A)
Binding Specificity:	Middle Region
Reactivity:	Rat, Mouse, Zebrafish (Danio rerio), Cow, Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	LARRGGVKRI SGLIYEETRGLVKVFLENVI RDAVTYTEHA KRKTVTAMDV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Mouse: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against Hist2h4. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Histone Cluster 2, H4a (HIST2H4A)
Alternative Name:	Hist2h4 (HIST2H4A Products)
Background:	Hist2h4 is a core component of nucleosome. Nucleosomes wrap and compact DNA into

Target Details

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.

Alias Symbols: H4, X04652

Protein Interaction Partner: Csrp2bp, Wdtd1, Myocd, Zbtb16, Tcf3,

Protein Size: 103

Molecular Weight: 11 kDa

Gene ID: 97122

NCBI Accession: [NM_033596](#), [NP_291074](#)

UniProt: [P62806](#)

Pathways: [Telomere Maintenance](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 103 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.



Western Blotting

Image 1. WB Suggested Anti-Hist2h4 Antibody Titration: 1.0 ug/ml Positive Control: Mouse Spleen