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anti-Histone Cluster 2, H4a (HIST2H4A) (Middle Region) antibody



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Overview	
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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 SGLIYEETRG VLKVFLENVI RDAVTYTEHA KRKTVTAMDV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Mouse: 100%, Rat: 100%, Zebrafish:

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

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, Wdtc1, Myocd, Zbtb16, Tcf3,

Protein Size: 103

Molecular Weight:	11 kDa
Gene ID:	97122
NCBI Accession:	NM_033596, NP_291074
UniProt:	P62806

Pathways: Telomere Maintenance

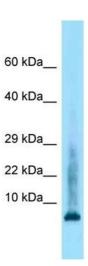
Application Details

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

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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