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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for KHF001

Formaldehyde Fixative 16% (w/v) Ultrapure EM Grade (5 pack - 10 ml per ampule) MaxTag™ Histo for IHC

Overview

Description:	Formaldehyde Fixative 16% (w/v) Ultrapure EM Grade (5 pack - 10 ml per ampule) MaxTag™ Histo for IHC - KHF001
Item No.:	KHF001
Size:	1 Pack
Applications:	IHC, ChIP

Product Details

Background:	Formaldehyde can be utilized for both reversible and irreversible fixation of tissues by cross-linking of amino groups to nitrogen atoms of other proximal proteins or DNA. Formaldehyde can be utilized in ChIP experiments as well as a denaturant for RNA (preventing RNA folding to secondary structures). This fixative is designed for fixing tissue samples to be used in microscopy or histology.
Synonyms:	Methanal; Methyl aldehyde; Methylene oxide; Formalin; Formol
Detection Kit Type:	Immunohistochemistry Kit

Application Details

Tested Applications:	IHC
Suggested Applications:	ChIP (Based on references)
Application Note:	Formaldehyde Fixative 16% (w/v) Ultrapure EM Grade (5 pack - 10 ml per ampule) MaxTag™ Histo for IHC is designed for use in immunohistochemistry experiments.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IHC:	User Optimized

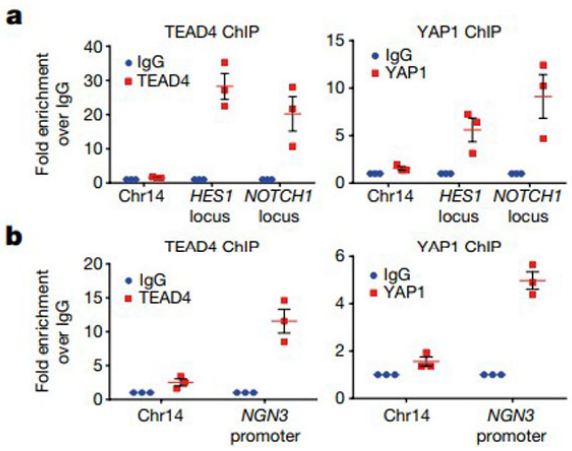
Formulation

Physical State:	Liquid

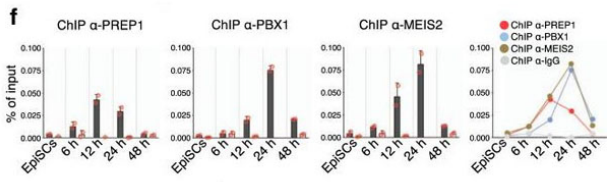
Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	See kit insert for complete instructions.
Expiration:	See kit insert for complete instructions.

Images



ChIP
Abnormal tip–trunk patterning and impaired differentiation in Yap1 transgenic pancreas. a, ChIP–qPCR of human HES1 and NOTCH1 enhancers bound to TEAD4 and YAP1. n = 3; data are mean ± s.e.m. b, ChIP–qPCR of a region 250 bp upstream of the ATG start site of the human NGN3 locus bound to TEAD4 and YAP1. Data represent fold enrichment over pull-down with unrelated IgG. Chr14 is used as genomic negative control. n = 3; data are mean ± s.e.m. Cells were fixed with 1% formaldehyde (p/n KHF001) at room temperature for 10 min. Fig. 3. PMID: 30487608.



ChIP
Sequential recruitment of PBX/HOX-1 complexes to Msgn1 promoter changes the chromatin landscape and activates transcription.
(f)ChIP-qPCR analyses of TALE proteins at indicated time-points uncover the peak of PREP1 binding at 12 h and PBX1/MEIS2 at 24 h. Cells were fixed directly on the plate by the addition of 20 ml of PBS containing 1% (v/v) Formaldehyde Fixative Ultrapure EM Grade (p/n KHF001) for 8–10 min at RT. Fig 6. PMID: 34446717.

References

- Ryu T et al. In-Depth Cell-Type-Specific Proteome Landscape of the Brain from Human Amyloid-β Overexpression Mouse Model. *Adv Sci (Weinh).* (2025)
- Bock JM et al. Sex-specific impact of obstructive sleep apnea on peripheral blood mononuclear cells. *Sleep Breath.* (2024)
- Mariani L et al. A TALE/HOX code unlocks WNT signalling response towards paraxial mesoderm. *Nat Commun.* (2021)
- Mamidi A et al. Mechanosignalling via integrins directs fate decisions of pancreatic progenitors. *Nature.* (2018)

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