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Datasheet for ABIN2780013
anti-MCAF1 antibody (Middle Region)

1 Image

Overview

Quantity:	100 µL
Target:	MCAF1 (ATF7IP)
Binding Specificity:	Middle Region
Reactivity:	Pig, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MCAF1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of Mouse Atf7ip
Sequence:	MSTPEGEKSE KDGKAEER VPAEEQPPVR NEFSRRKRSK SEDMDSVESK
Predicted Reactivity:	Mouse: 100%, Pig: 92%, Rat: 85%
Characteristics:	This is a rabbit polyclonal antibody against Atf7ip. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	MCAF1 (ATF7IP)
Alternative Name:	Atf7ip (ATF7IP Products)
Background:	Recruiter that couples transcriptional factors to general transcription apparatus and thereby

Target Details

modulates transcription regulation and chromatin formation. Atf7ip can both act as an activator or a repressor depending on the context. It mediates MBD1-dependent transcriptional repression, probably by recruiting complexes containing SETDB1. Atf7ip is required to stimulate histone methyltransferase activity of SETDB1 and facilitate the conversion of dimethylated to trimethylated H3 'Lys-9' (H3K9me3). The complex formed with MBD1 and SETDB1 represses transcription and couples DNA methylation and histone H3 'Lys-9' trimethylation (H3K9me3). Atf7ip may have ATPase activity.

Alias Symbols: 2610204M12Rik, AM, Mcaf1

Protein Interaction Partner: Atf7, Gtf2f1, Gtf2e2, Aagab, Ccnh, Gtf2h1, Ercc3, Cdk7, C1qbp, POLR2H, POLR2G, POLR2D, POLR2C,

Protein Size: 1306

Molecular Weight: 138 kDa

Gene ID: 54343

NCBI Accession: [NM_019426](#), [NP_062299](#)

UniProt: [Q7TT18](#)

Application Details

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

Comment: Antigen size: 1306 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.

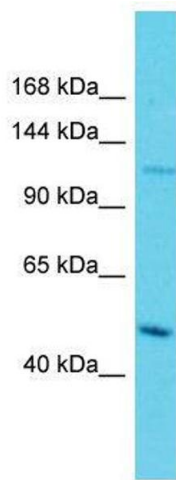
Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Handling

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. Host: Rabbit Target Name: Atf7ip Sample Type: Mouse Lung lysates Antibody Dilution: 1.0ug/ml