

## Anti-ATF7IP Antibody

Catalog Number: A03319-1

### About ATF7IP

ATF7IP (Activating Transcription Factor 7 Interacting Protein), also known as MCAF1 (MBD1-containing chromatin-associated factor 1), is a multifunctional scaffold protein that plays a pivotal role in epigenetic regulation and transcriptional control. Functionally, ATF7IP acts as an adaptor that recruits the histone methyltransferase SETDB1 to specific genomic loci, facilitating the deposition of the heterochromatin mark H3K9me3 and silencing target genes, including retrotransposons such as LINE1. This activity is essential for maintaining genomic stability by suppressing transposable element mobilization and preventing DNA damage.

### Overview

Product Name	Anti-ATF7IP Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ATF7IP Antibody catalog # A03319-1. Tested in IHC, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q6VMQ6

### Technical Details

Immunogen	E.coli-derived human ATF7IP recombinant protein (Position: A758-P1103).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry, 1:50-400 ELISA, 1:100-1000

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