

For Research Use Only

ATF7IP Polyclonal antibody, PBS Only

Catalog Number: 14699-1-PBS

Featured Product



Basic Information

Catalog Number:

14699-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6341

GenBank Accession Number:

BC063855

GeneID (NCBI):

55729

UNIPROT ID:

Q6VMQ6

Full Name:

activating transcription factor 7 interacting protein

Calculated MW:

137 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

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.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

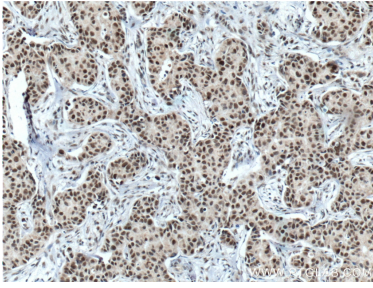
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

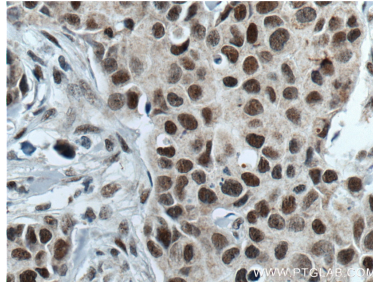
E: proteintech@ptglab.com
W: ptglab.com

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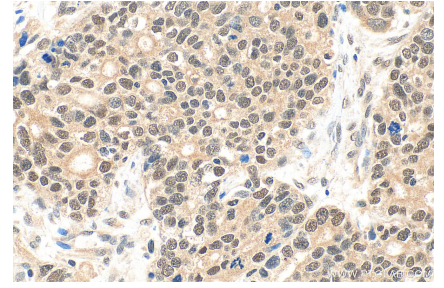
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14699-1-AP (ATF7IP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 14699-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14699-1-AP (ATF7IP antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 14699-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 14699-1-AP (ATF7IP antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 14699-1-PBS in a different storage buffer formulation.