


Product datasheet

Anti-p60 CAF1/MPP7 antibody ab72520

★★★★★ [1 Abreviews](#) [2 References](#) [3 Images](#)

Overview

Product name	Anti-p60 CAF1/MPP7 antibody
Description	Rabbit polyclonal to p60 CAF1/MPP7
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, IP
Species reactivity	Reacts with: Human Predicted to work with: Rhesus monkey, Gorilla, Orangutan 
Immunogen	Synthetic peptide corresponding to Human p60 CAF1/MPP7 (C terminal). Database link: NP_005432.1
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **[Abpromise guarantee](#)** covers the use of ab72520 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/2000 - 1/10000. Detects a band of approximately 25, 65, 130, 240 kDa (predicted molecular weight: 61 kDa).
IP		Use at 2-5 µg/mg of lysate.

Target

Function

Complex that is thought to mediate chromatin assembly in DNA replication and DNA repair. Assembles histone octamers onto replicating DNA in vitro. CAF-1 performs the first step of the nucleosome assembly process, bringing newly synthesized histones H3 and H4 to replicating DNA; histones H2A/H2B can bind to this chromatin precursor subsequent to DNA replication to complete the histone octamer. The CCR4-NOT complex functions as general transcription regulation complex.

Sequence similarities

Belongs to the WD repeat HIR1 family.
Contains 7 WD repeats.

Developmental stage

Active complex is found in G1, S and G2 phases.

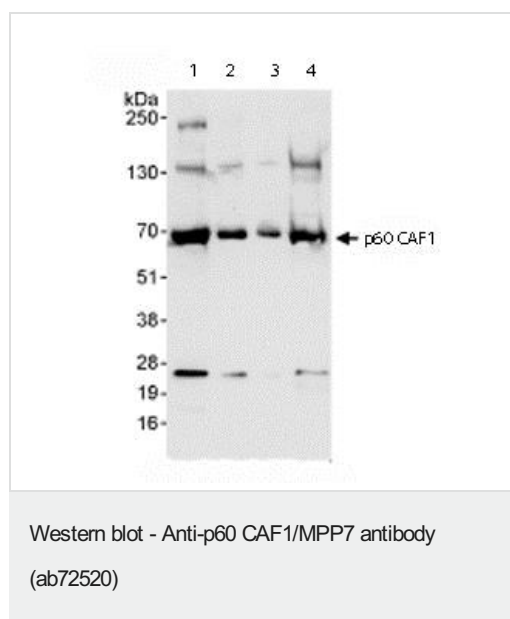
Post-translational modifications

Differentially phosphorylated during cell cycle. During mitosis the p60 subunit of inactive CAF-1 is hyperphosphorylated and displaced into the cytosol. Progressively dephosphorylated from G1 to S and G2 phase. Phosphorylated p60 is recruited to chromatin undergoing DNA repair after UV irradiation in G1, S or G2 phases.

Cellular localization

Nucleus. Cytoplasm. DNA replication foci. Cytoplasmic in M phase.

Images



All lanes : Anti-p60 CAF1/MPP7 antibody (ab72520) at 0.04 µg/ml

Lane 1 : Whole cell lysate from HeLa cells at 50 µg

Lane 2 : Whole cell lysate from HeLa cells at 15 µg

Lane 3 : Whole cell lysate from HeLa cells at 5 µg

Lane 4 : Whole cell lysate from 293T cells at 50 µg

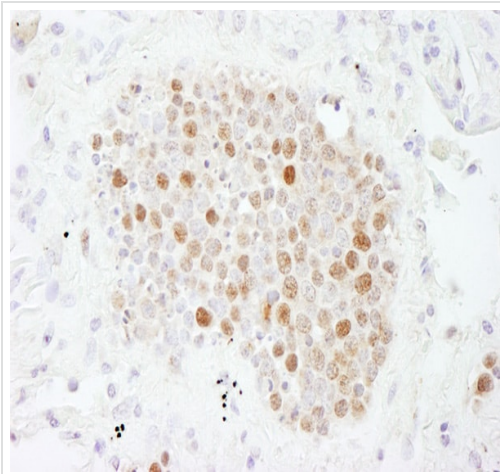
Developed using the ECL technique.

Predicted band size: 61 kDa

Observed band size: 65 kDa

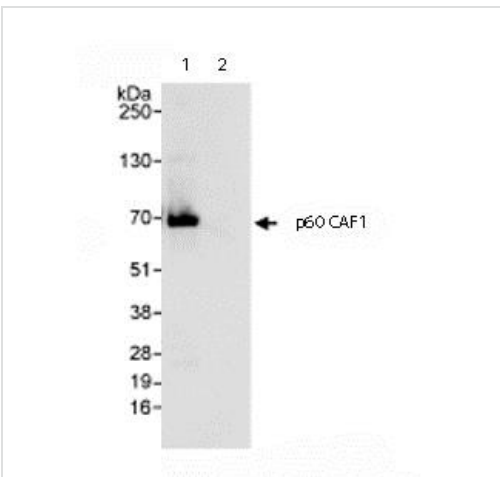
Additional bands at: 130 kDa, 240 kDa, 25 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 10 seconds



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p60 CAF1/MPP7 antibody (ab72520)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human small cell lung cancer tissue labelling p60 CAF1/MPP7 with **ab7252** at 1/200 (1µg/ml). Detection: DAB.



Immunoprecipitation - Anti-p60 CAF1/MPP7 antibody (ab72520)

Immunoprecipitation/ Western Blot of p60 CAF1/MPP7. Lane 1: ab72520 at 3µg/mg whole cell lysate. Lane 2: Control IgG. ab72520 at 1µg/ml for WB. Whole cell lysate from Hela cells at 1mg for IP, 20% of IP loaded. Chemiluminescence with an exposure time of 3 seconds.

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