

Product datasheet

Anti-EBP1 antibody ab186846

[1 References](#) [3 Images](#)

Overview

Product name	Anti-EBP1 antibody
Description	Rabbit polyclonal to EBP1
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment within Human EBP1. The exact sequence is proprietary. Database link: Q9UQ80
Positive control	Extracts of mouse liver, BXPC3, Hela, PC12, NIH 3T3, K562, 22RV1 and HT29 cell lines.
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 50% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab186846 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
ICC/IF		Use at an assay dependent concentration.
WB		1/500 - 1/2000. Predicted molecular weight: 44 kDa.
IHC-P		1/50 - 1/200.

Target

Function

May play a role in a ERBB3-regulated signal transduction pathway. Seems be involved in growth regulation. Acts a corepressor of the androgen receptor (AR) and is regulated by the ERBB3 ligand neuregulin-1/herregulin (HRG). Inhibits transcription of some E2F1-regulated promoters, probably by recruiting histone acetylase (HAT) activity. Binds RNA. Associates with 28S, 18S and 5.8S mature rRNAs, several rRNA precursors and probably U3 small nucleolar RNA. May be involved in regulation of intermediate and late steps of rRNA processing. May be involved in ribosome assembly. Mediates cap-independent translation of specific viral IRESs (internal ribosomal entry site).

Tissue specificity

Expressed in several cell lines tested, including primary and transformed cell lines.

Sequence similarities

Belongs to the peptidase M24 family.

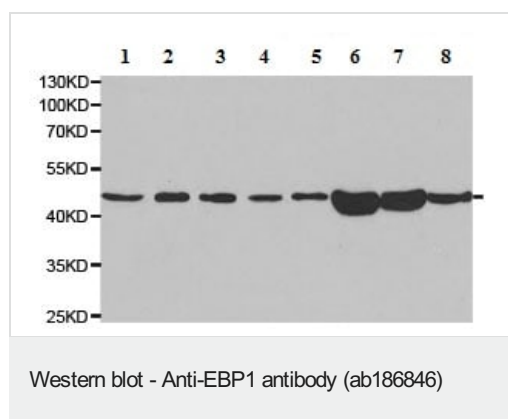
Post-translational modifications

Phosphorylated on serine and threonine residues. Phosphorylation is enhanced by HRG treatment. Basal phosphorylation is PKC-dependent and HRG-induced phosphorylation is predominantly PKC-independent.

Cellular localization

Cytoplasm. Nucleus > nucleolus. Tranlocates to the nucleus upon treatment with HRG.

Images



All lanes : Anti-EBP1 antibody (ab186846) at 1/500 dilution

Lane 1 : Extract of mouse liver cell line

Lane 2 : Extract of BXP3 cell line

Lane 3 : Extract of Hela cell line

Lane 4 : Extract of PC12 cell line

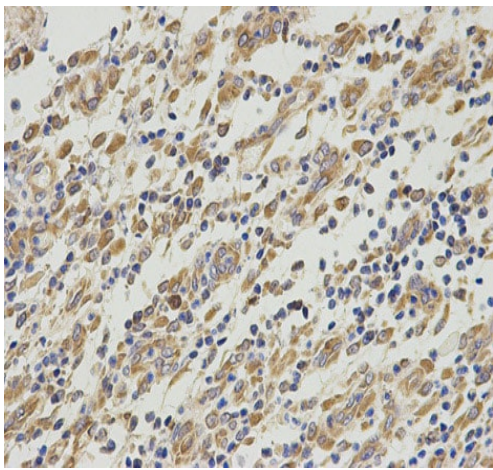
Lane 5 : Extract of NIH 3T3 cell line

Lane 6 : Extract of K562 cell line

Lane 7 : Extract of 22RV1 cell line

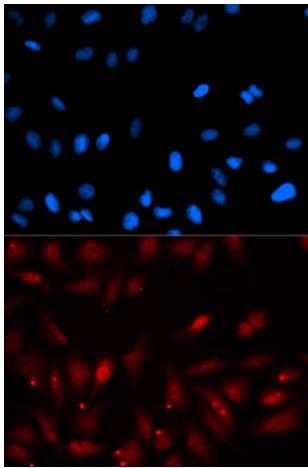
Lane 8 : Extract of HT29 cell line

Predicted band size: 44 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EBP1 antibody (ab186846)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human stomach cancer tissue labelling EBP1 with ab186846 at 1/200. Magnification: 400x.



Immunocytochemistry/ Immunofluorescence - Anti-EBP1 antibody (ab186846)

Immunocytochemistry/Immunofluorescence analysis of U2OS cells using ab186846. Blue DAPI for nuclear staining.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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