


## Product datasheet

### Anti-XBP1 antibody ab85546

★★★★★ [6 Abreviews](#) [4 References](#) [1 Image](#)

#### Overview

Product name	Anti-XBP1 antibody
Description	Goat polyclonal to XBP1
Host species	Goat
Tested applications	<b>Suitable for:</b> ELISA, IHC-P <b>Unsuitable for:</b> WB
Species reactivity	<b>Reacts with:</b> Mouse, Dog, Human <b>Predicted to work with:</b> Chimpanzee, Gorilla 
Immunogen	Synthetic peptide: NHSWEDTFANELFPQ by a Cysteine residue linker, corresponding to C terminal amino acids 358-372 of Human XBP1 isoform 2

 [Run BLAST with](#)

 [Run BLAST with](#)

#### General notes

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.

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

#### Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab85546 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
ELISA		Use at an assay dependent concentration.
IHC-P	★★★★★ (4)	Use a concentration of 5 µg/ml.

### Application notes

Is unsuitable for WB.

## Target

### Function

Transcription factor essential for hepatocyte growth, the differentiation of plasma cells, the immunoglobulin secretion, and the unfolded protein response (UPR). Acts during endoplasmic reticulum stress (ER) by activating unfolded protein response (UPR) target genes via direct binding to the UPR element (UPRE). Binds DNA preferably to the CRE-like element 5'-GATGACGTG[TG]N(3)[AT]T-3', and also to some TPA response elements (TRE). Binds to the HLA DR-alpha promoter. Binds to the Tax-responsive element (TRE) of HTLV-I.

### Involvement in disease

Genetic variations in XBP1 could be associated with susceptibility to major affective disorder type 7 (MAFD7) [MIM:612371]. Major affective disorders represent a class of mental disorders characterized by a disturbance in mood as their predominant feature.

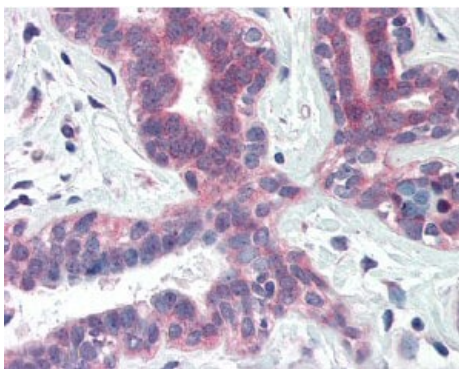
### Sequence similarities

Belongs to the bZIP family.  
Contains 1 bZIP domain.

### Cellular localization

Nucleus.

## Images



Immunohistochemical analysis of formalin-fixed paraffin-embedded human breast tissue using ab85546 at a dilution of 5µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-XBP1 antibody (ab85546)

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

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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