

Datasheet for ABIN732731

**anti-XBP1 antibody (AA 51-150) (Cy3)**[Go to Product page](#)**1** Publication

## Overview

Quantity:	100 µL
Target:	XBP1
Binding Specificity:	AA 51-150
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This XBP1 antibody is conjugated to Cy3
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human XBP-1
Isotype:	IgG
Specificity:	XBP-1 antibody will recognize both isoforms, may also interact with chicken
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Cow,Chicken
Purification:	Purified by Protein A.

## Target Details

Target:	XBP1
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## Target Details

Alternative Name:	Xbp1 ( <a href="#">XBP1 Products</a> )
Background:	<p>Synonyms: XBP2, TREB5, XBP-1, X-box-binding protein 1, Tax-responsive element-binding protein 5, XBP1</p> <p>Background: 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.</p>
Gene ID:	7494
UniProt:	<a href="#">P17861</a>
Pathways:	<a href="#">ER-Nucleus Signaling</a> , <a href="#">Unfolded Protein Response</a>

## Application Details

Application Notes:	FCM 1:20-100 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

## Publications

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Product cited in: Li, Han, Shi: "IRE1?-XBP1 Pathway Is Activated Upon Induction of Single-Prolonged Stress in Rat Neurons of the Medial Prefrontal Cortex." in: **Journal of molecular neuroscience : MN**, (2015) ([PubMed](#)).