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Datasheet for ABIN651279

anti-XBP1 antibody (AA 62-91)

4 Images

Overview

Quantity:	400 µL
Target:	XBP1
Binding Specificity:	AA 62-91
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This XBP1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This XBP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 62-91 amino acids from the Central region of human XBP1.
Clone:	RB21824
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	XBP1
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Target Details

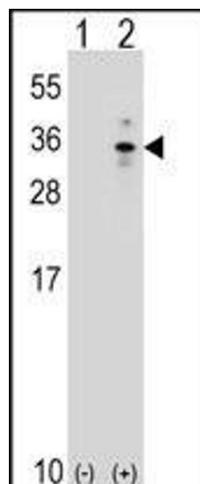
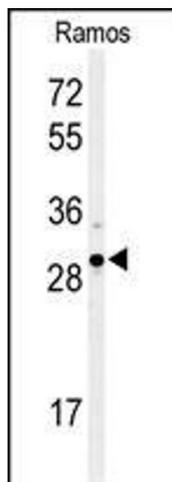
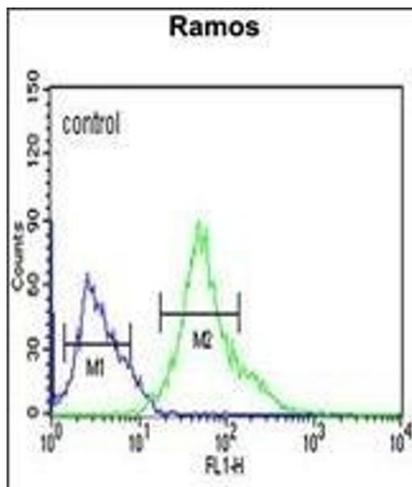
Alternative Name:	XBP1 (XBP1 Products)
Background:	XBP1 encodes a transcription factor that regulates MHC class II genes by binding to a promoter element referred to as an X box. This gene product is a bZIP protein, which was also identified as a cellular transcription factor that binds to an enhancer in the promoter of the T cell leukemia virus type 1 promoter. It may increase expression of viral proteins by acting as the DNA binding partner of a viral transactivator. It has been found that upon accumulation of unfolded proteins in the endoplasmic reticulum (ER), the mRNA of this gene is processed to an active form by an unconventional splicing mechanism that is mediated by the endonuclease inositol-requiring enzyme 1 (IRE1). The resulting loss of 26 nt from the spliced mRNA causes a frame-shift and an isoform XBP1(S), which is the functionally active transcription factor.
Molecular Weight:	28695
Gene ID:	7494
NCBI Accession:	NP_001073007 , NP_005071
UniProt:	P17861
Pathways:	ER-Nucleus Signaling , Unfolded Protein Response

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Flow Cytometry

Image 1. XBP1 Antibody (Center) (ABIN651279 and ABIN2840166) flow cytometric analysis of Ramos cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of XBP1 Antibody (Center) (ABIN651279 and ABIN2840166) in Ramos cell line lysates (35 µg/lane). XBP1 (arrow) was detected using the purified Pab.

Western Blotting

Image 3. Western blot analysis of XBP1 (arrow) using rabbit polyclonal XBP1 Antibody (Center) (ABIN651279 and ABIN2840166). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the XBP1 gene.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN651279.