

Rabbit XBP1 Polyclonal Antibody | anti-XBP1 antibody

XBP1 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197171	Rabbit	Cow, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish	Western Blot

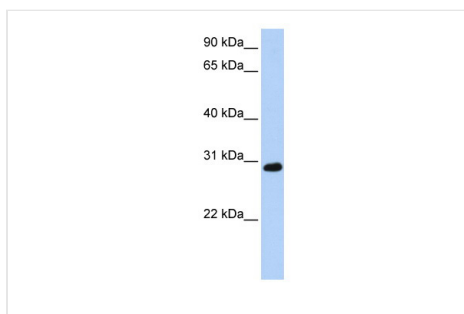
PRODUCT SYNONYMS

XBP1; Polyclonal Antibody; XBP1 antibody - C-terminal region; anti-XBP1 antibody

PRODUCT SPECIFICATIONS

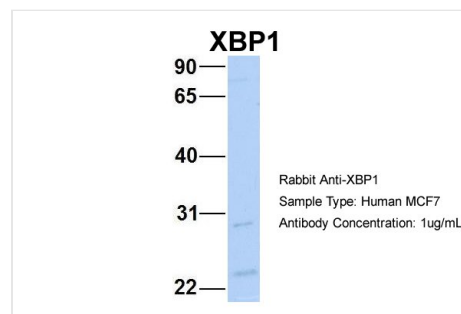
Host	Rabbit
Reactivity	Cow, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: TQ SCSSNALPQS LPAWRSSQRS TQKDPVPYQP PFLCQWGRHQ PSWKPLMN
Sequence Length	261
Applicable Applications for anti-XBP1 antibody	WB (Western Blot)
Homology	Cow: 100%; Horse: 93%; Human: 100%; Mouse: 93%; Pig: 92%; Rabbit: 93%; Rat: 93%; Zebrafish: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human XBP1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-XBP1 Antibody Titration: 0.2-1 ug/mL
ELISA Titer: 1:1562500
Positive Control: Jurkat cell lysate



WB (Western Blot)

Host: Rabbit
Target Name: NOP56
Sample Type: MCF7
Antibody Dilution: 1.0ug/mL
XBP1 is supported by BioGPS gene expression data to be expressed in MCF7

ADDITIONAL INFORMATION

Related Product Information for anti-XBP1 antibody	This is a rabbit polyclonal antibody against XBP1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: XBP1 is a transcription factor that regulates MHC class II genes by binding to a promoter element referred to as an X box. XBP1 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. This gene 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. The isoform encoded by the unspliced mRNA, XBP1(U), is constitutively expressed, and thought to function as a negative feedback regulator of XBP1(S), which shuts off transcription of target genes during the recovery phase of ER stress. A pseudogene of XBP1 has been identified and localized to chromosome 5.
Product Categories/Family for anti-XBP1 antibody	Polyclonal ; Transcription Factor ; Transcription Regulation ; Lymphocyte Signaling ; Transcription Regulation ; Chromatin & Nuclear Signaling ; DNA/RNA/Protein Interactions ; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	14110395
NCBI GeneID	7494
NCBI Accession #	NP_005071
NCBI GenBank Nucleotide #	NM_005080
UniProt Accession #	P17861
Molecular Weight	29kDa
NCBI Official Full Name	X-box-binding protein 1 isoform XBP1(U)
NCBI Official Synonym Full Names	X-box binding protein 1
NCBI Official Symbol	XBP1
NCBI Official Synonym Symbols	XBP2; TREB5; XBP-1; TREB-5
NCBI Protein Information	X-box-binding protein 1
UniProt Protein Name	X-box-binding protein 1
UniProt Gene Name	XBP1
UniProt Synonym Gene Names	TREB5; XBP2; XBP-1
UniProt Entry Name	XBP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/xbp1-antibody-western-blot-elisa/197171>