

Rabbit XBP1 Polyclonal Antibody | anti-XBP1 antibody

XBP1 Polyclonal Antibody

CATALOG # AAA178708	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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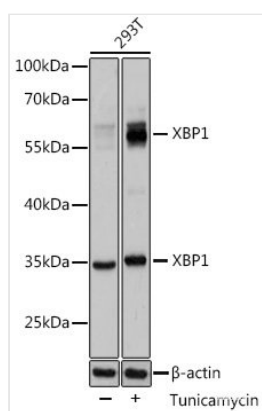
PRODUCT SYNONYMS

XBP1; Polyclonal Antibody; XBP1 Polyclonal Antibody; TREB-5; TREB5; XBP-1; XBP2; XBP1s; CBX1; anti-XBP1 antibody

PRODUCT SPECIFICATIONS

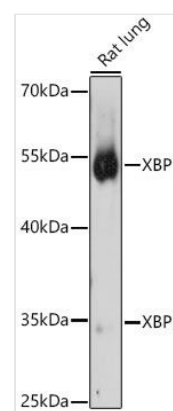
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-XBP1 antibody	WB (Western Blot)
Immunogen	Recombinant fusion protein of human XBP1
Research Area	Cancer, Epigenetics and Nuclear Signaling
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of 293T cells using XBP1 Polyclonal Antibody at 1:1000 dilution. 293T cells were treated by tunicamycin (2 ug/ml) for 8 hours.



WB (Western Blot)

Western blot analysis of extracts of various cell lines using XBP1 Polyclonal Antibody at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-XBP1 antibody	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 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	Antibodies ; Primary Antibodies ; Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	47678753
NCBI GeneID	7494
UniProt Accession #	P17861 ; Q8WYK6 ; Q969P1 ; Q96BD7
Molecular Weight	28,695 Da
NCBI Official Full Name	XBP1
NCBI Official Synonym Full Names	X-box binding protein 1
NCBI Official Symbol	XBP1
NCBI Official Synonym Symbols	XBP2; TREB5; XBP-1
NCBI Protein Information	X-box-binding protein 1; tax-responsive element-binding protein 5
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/xbp1-antibody-western-blot-elisa/178708>