

Rabbit anti-Human, Mouse XBP-1 Polyclonal Antibody | anti-XBP1 antibody

XBP-1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10953	Rabbit	Human, Mouse	ELISA, Western Blot, Immunocytochemistry, Immunofluorescence

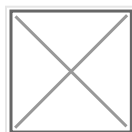
PRODUCT SYNONYMS

XBP-1; Polyclonal Antibody; XBP-1 Antibody; XBP2; TREB5; X-box-binding protein 1; Tax-responsive element-binding protein 5; X-box binding protein 1; anti-XBP1 antibody

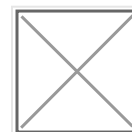
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	XBP-1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	261
Applicable Applications for anti-XBP1 antibody	ELISA, WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence)
Application Notes	XBP-1 antibody can be used for the detection of XBP-1 by Western blot at 0.5 - 2 ug/mL. Antibody can also be used for immunocytochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/mL. Optimal dilutions for each application to be determined by the researcher.
Conjugate	Unconjugated
Immunogen	XBP-1 antibody was raised against an 18 amino acid synthetic peptide from near the amino terminus of human XBP-1.
Buffer	XBP-1 Antibody is supplied in PBS containing 0.02% sodium azide.
Homology	Predicted species reactivity based on immunogen sequence: Rat: (100%), Bovine: (100%)
Preparation and Storage	XBP-1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES


IF (Immunofluorescence)

Immunofluorescence of XBP-1 in rat liver tissue with XBP-1 Antibody at 20 ug/mL.


IHC (Immunohistochemistry)

Immunohistochemistry of XBP-1 in rat liver tissue with XBP-1 Antibody at 5 ug/mL.

**WB (Western Blot)**

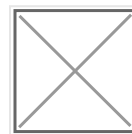
Western blot analysis of XBP1 expression in rat liver tissue lysate with XBP1 antibody at (A) 1 and (B) 2 μg/ml.

**IHC (Immunohistochemistry)**

Immunohistochemistry of XBP1 in mouse liver tissue with XBP1 antibody at 2 μg/ml.

**IF (Immunofluorescence)**

Immunofluorescence of XBP1 in human liver tissue with XBP1 antibody at 20 μg/ml. Green: XBP-1 Antibody (3687) Blue: DAPI staining

**IHC (Immunohistochemistry)**

Immunohistochemistry of XBP1 in human liver tissue with XBP1 antibody at 5 μg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-XBP1 antibody

XBP-1 Antibody: X box binding protein 1 (XBP-1) is a key protein in the mammalian unfolded protein response (UPR) that protects the cell against the stress of malformed proteins in the endoplasmic reticulum (ER). Upon sensing unfolded proteins, an ER transmembrane endonuclease and kinase termed IRE1p is activated and excises an intron from XBP-1 mRNA. The spliced XBP-1 mRNA results in a 371 amino acid protein (XBP-1s) which is then translocated to the nucleus where it binds to the regulatory elements of downstream genes. Together with other UPR transcription factors such as ATF6, XBP-1 stimulates the production of ER stress proteins including the ER resident protein chaperones glucose regulated protein (GRP) 78 and GRP94.

NCBI AND UNIPROT INFORMATION

NCBI GI #	60416406
NCBI GeneID	7494
UniProt Accession #	P17861; Q8WYK6; Q969P1; Q96BD7
Molecular Weight	40,148 Da
NCBI Official Full Name	X-box-binding protein 1
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/xbp-1-antibody-western-blot-immunocytochemistry-immunofluorescence-elisa/10953>