

Mouse XBP-1 Monoclonal Antibody | anti-XBP-1 antibody

XBP-1 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA300751	Mouse	Human, Mouse, Rat	Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

XBP-1; Monoclonal Antibody; XBP-1 Monoclonal Antibody; XBP-1 (3H1G4); X box binding protein 1; Tax-responsive element binding protein 5; anti-XBP-1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	3H1G4
Purity/Purification	Immunoaffinity chromatography purified IgG
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	376
Applicable Applications for anti-XBP-1 antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen Type	Recombinant protein
Immunogen Description	Raised against recombinant protein corresponding to amino acids 2 to 160 of human XBP-1.
Target Name	XBP-1
Preparation and Storage	Can be stored at -20 degree C, stable for one year.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemistry of XBP-1 in HepG2 cells with XBP-1 antibody at 2 ug/mL.



WB (Western Blot)

Western blot analysis of 100 ng of XBP-1 recombinant protein with XBP-1 antibody at 1 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-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.
Product Categories/Family for anti-XBP-1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	18148382
NCBI GeneID	7494
Molecular Weight	40,148 Da
NCBI Official Full Name	X box-binding protein spliced form
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	TREB-5
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/monoclonal/xbp-1-antibody-clone-3h1g4-immunocytochemistry-western-blot-elisa/300751>