

Mouse XBP-1 Monoclonal Antibody | anti-XBP1 antibody

XBP-1 Antibody [3H1G4]

CATALOG # AAA39204	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunocytochemistry, Western Blot, ELISA
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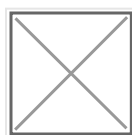
PRODUCT SYNONYMS

XBP-1; Monoclonal Antibody; XBP-1 Antibody [3H1G4]; XBP-1 Antibody [3H1G4] : XBP2; TREB5; X-box binding protein 1; anti-XBP1 antibody

PRODUCT SPECIFICATIONS

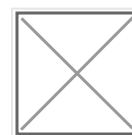
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3H1G4
Purity/Purification	XBP-1 Monoclonal Antibody is immunoaffinity chromatography purified IgG.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	376
Applicable Applications for anti-XBP1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Mouse monoclonal XBP-1 antibody was raised against recombinant protein corresponding to amino acids 2 to 160 of human XBP-1.
Buffer	XBP-1 Monoclonal Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	XBP-1 monoclonal antibody can be stored at -20 degree C, stable for one year.

IMAGES



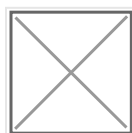
IF (Immunofluorescence)

Immunofluorescence of XBP1 in HepG2 cells with XBP1 antibody at 4 &#956;g/mL.



ICC (Immunocytochemistry)

Immunocytochemistry of XBP-1 in HepG2 cells with XBP-1 antibody at 2 &#956;g/mL.



WB (Western Blot)

Western blot analysis of 100 ng of XBP-1 recombinant protein with XBP-1 antibody at 1 &#956;g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-XBP1 antibody	XBP-1 Monoclonal 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18148382
NCBI GeneID	7494
UniProt Accession #	P17861; Q8WYK6; Q969P1; Q96BD7
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
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://stage.aaabiotech.com/monoclonal/xbp-1-antibody-clone-3h1g4-immunofluorescence-immunocytochemistry-western-blot-elisa/39204>