

Mouse anti-Human XBP1 Monoclonal Antibody | anti-XBP1 antibody

Mouse monoclonal antibody Anti-Human XBP1

CATALOG # AAA36350	HOST Mouse	REACTIVITY Human	APPLICATIONS Dot Blot
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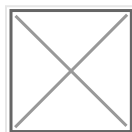
PRODUCT SYNONYMS

XBP1; Monoclonal Antibody; Mouse monoclonal antibody Anti-Human XBP1; X-box binding protein 1; XBP2; TREB5; anti-XBP1 antibody

PRODUCT SPECIFICATIONS

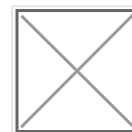
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	XBP1H6E5
Form/Format	Mouse monoclonal anti-human XBP1 antibody in PBS (3.0 mM KCl, 1.5mM KH ₂ HPO ₄ 140mM NaCl, 8.0mM Na ₂ HPO ₄ (pH 7.4)) containing 1% bovine serum albumin (BSA) and 0.05% sodium azide (NaN ₃)
Concentration	100 ug/ml (1.0 ml) (varies by lot)
Sequence Length	1820
Applicable Applications for anti-XBP1 antibody	DB (Dot Blot)
Immunogen	Recombinant
Preparation	This antibody was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum.
Sterility	Filtered through a 0.22 um membrane.
Disposal	This antibody solution contains sodium azide (NaN ₃) as a preservative. There is a potential hazard that NaN ₃ reacts with copper or lead to produce an explosive compound. For safe disposal, the vial has to be washed thoroughly with water.
Preparation and Storage	Store at 2-8°C for up to one year. We recommend storing at -20°C for long-term storage. Avoid repeat freezing and thawing cycles.

IMAGES



Quality Control #2

Arrow indicates the region of immunized recombinant protein carrying 50-200 amino acids.



Quality Control

Western blot analysis of immunized recombinant protein, using anti-XBP1 monoclonal antibody.

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 a bZIP protein and 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 also been found that the same agents that cause an ER stress response, the unfolded protein response (UPR), also increase transcription of this gene. This increase in transcription requires an ER stress response consensus binding element in the promoter. In the UPR pathway, two isoforms of the protein are made. The function of the shorter isoform (XBP-1U) has not been determined, while the longer isoform (XBP-1S) is the active isoform. The longer isoform is generated by a process in which two adjacent stem loop structures in the mRNA are recognized by IRE1, resulting in the loss of 26 nt from the mRNA and a frameshift in the CDS. Finally, a pseudogene has been identified and localized to chromosome 5. [NCBI Entrez Gene Summary]
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NCBI AND UNIPROT INFORMATION

NCBI GI #	172072591
NCBI GeneID	7494
NCBI Accession #	NP_005071.2
NCBI GenBank Nucleotide #	NM_005080
Molecular Weight	40,148 Da
NCBI Official Full Name	Homo sapiens X-box binding protein 1 (XBP1), transcript variant 1, mRNA
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; tax-responsive element-binding protein 5
UniProt Protein Name	X-box-binding protein 1
UniProt Gene Name	XBP1
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/xbp1-antibody-clone-xbp1h6e5-dot-blot-elisa/36350>