Rabbit XBP-1 Polyclonal Antibody | anti-XBP-1 antibody

XBP-1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301606	**Rabbit**	**Human, Mouse, Rat**	**Immunocytochemistry, Western Blot, ELISA**

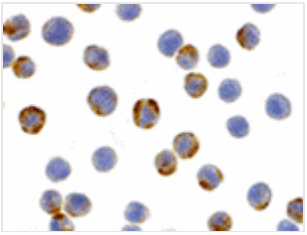
PRODUCT SYNONYMS

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

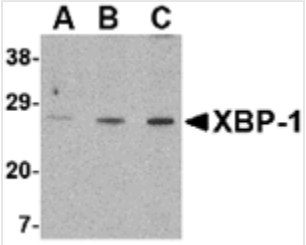
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
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	Peptide
Immunogen Description	Raised against a 17 amino acid peptide from near the carboxy terminus of human XBP-1.
Target Name	XBP-1
Preparation and Storage	Can be stored at -20 degree C, stable for 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



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



WB (Western Blot)
Western blot analysis of XBP-1 in PC-3 cell lysate with XBP-1 antibody at (A) 0.5, (B) 1 and (C) 2 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 malfolded 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 #	118640873
NCBI GeneID	7494
NCBI Accession #	NP_001073007.1
NCBI GenBank Nucleotide #	NM_001079539.1
UniProt Accession #	P17861; Q8WYK6; Q969P1; Q96BD7
Molecular Weight	40,148 Da
NCBI Official Full Name	X-box-binding protein 1 isoform XBP1(S)
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.

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Online datasheet: https://www.aaabiotech.com/polyclonal/xbp-1-antibody-immunocytochemistry-western-blot-elisa/301606