

Rabbit anti-Human XBP1 Polyclonal Antibody | anti-XBP1 antibody

XBP1 Antibody

CATALOG # AAA232740	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunohistochemistry, ELISA
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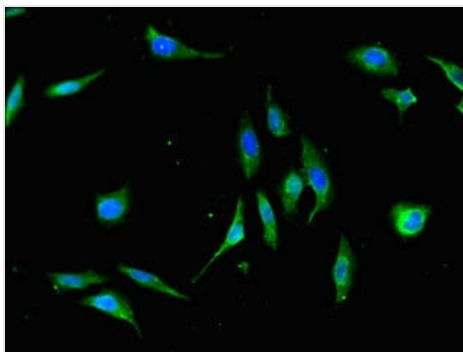
PRODUCT SYNONYMS

XBP1; Polyclonal Antibody; XBP1 Antibody; X-box-binding protein 11; Tax-responsive element-binding protein 5; anti-XBP1 antibody

PRODUCT SPECIFICATIONS

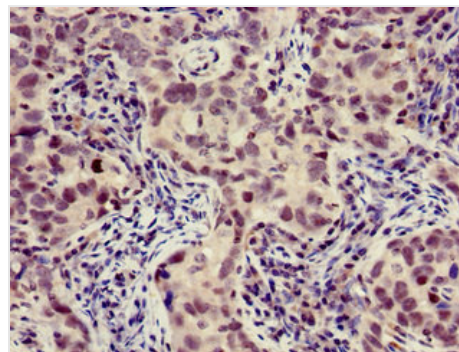
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	376
Applicable Applications for anti-XBP1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human X-box-binding protein 1 protein (1-167AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-32135 / sc-32136 / sc-32138 / sc-7160
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



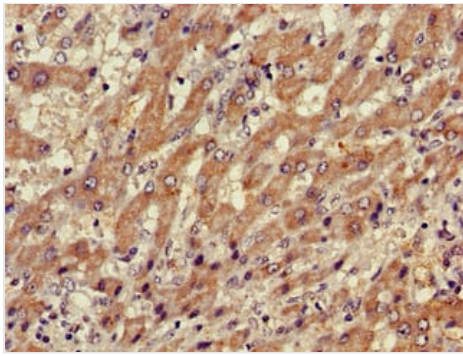
IHC (Immunohistochemistry)

Immunofluorescent analysis of HeLa cells using AAA232740 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human pancreatic cancer using AAA232740 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver cancer using AAA232740 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-XBP1 antibody

Functions as a transcription factor during endoplasmic reticulum (ER) stress by regulating the unfolded protein response (UPR). Required for cardiac myogenesis and hepatogenesis during embryonic development, and the development of secretory tissues such as exocrine pancreas and salivary gland (By similarity). Involved in terminal differentiation of B lymphocytes to plasma cells and production of immunoglobulins (PubMed: 11460154). Modulates the cellular response to ER stress in a PIK3R-dependent manner (PubMed: 20348923). Binds to the cis-acting X box present in the promoter regions of major histocompatibility complex class II genes (PubMed: 8349596). Involved in VEGF-induced endothelial cell (EC) proliferation and retinal blood vessel formation during embryonic development but also for angiogenesis in adult tissues under ischemic conditions. Functions also as a major regulator of the UPR in obesity-induced insulin resistance and type 2 diabetes for the management of obesity and diabetes prevention (By similarity).

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.