



Rabbit Anti-Human XBP1 monoclonal antibody, clone KN21-73 (CABT-L913)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	XBP1
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	KN21-73
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IHC, ICC/IF, FC
Cellular Localization	Nucleus, Chromosome, Chromosome.
Positive Control	HeLa, 293T, HepG2, SW480, human liver tissue, human colon cancer tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

BACKGROUND

Introduction

The X-box binding protein-1 (XBP-1 or hXBP-1), also designated tax-responsive element-binding protein 5 (TREB5) in mouse and human, or hepatocarcinogenesis-related transcription factor (HTF) in rat, belongs to the basic region/leucine zipper (bZIP) family of transcription factors. XBP-1 was first characterized as a protein that binds to the HLA-DR α promoter in B cells. XBP-1 recognizes the cAMP responsive element (CRE) in enhancers of human T cell leukemia virus and major histocompatibility complex class II genes and activates transcription of these genes. It is expressed at high levels in developing bone and its levels are modulated during osteoblast development, suggesting a role in regulation of expression of osteoblast-specific genes. In addition to binding to CRE sequences, XBP-1 has been shown to bind to TPA response elements (TREs).

Keywords

Tax responsive element binding protein 5;Tax-responsive element-binding protein 5;TREB5;X box binding protein 1;X box binding protein 2;X-box-binding protein 1;XBP 1;XBP-1;XBP1;XBP1_HUMAN;XBP2 antibody

GENE INFORMATION

Entrez Gene ID

[7494](#)

UniProt ID

[P17861](#)
