

XBP1 Rabbit mAb

货号: B28911

产品信息

反应	Human
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IHC IF/ICC FC
推荐浓度	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200 IF/ICC: 1:50 - 1:200 FC: 1:20 - 1:50
理论分子量	28kDa/40kDa
实测分子量	29kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	
细胞定位	Cytoplasm,Endoplasmic reticulum membrane,Endoplasmic reticulum,Membrane,Nucleus,Peripheral membrane protein,Single-pass type II membrane protein
纯化	Affinity purification

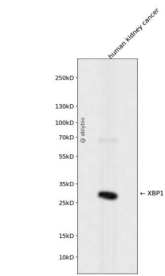
抗原信息

抗原信息	Recombinant fusion protein corresponding to Human XBP1.
序列	MVVVAAAPNPADGTPKVVLLSGQPASAAGAPAGQALPLMVP AQRGASPEAASGGLPQARKRQRLTHLSPEEKALRRKLK NRVAAQTARDRKKARMSELEQQVVDLEENQKLLLENQLLREKTHGLVVENQELRQRLGMDALVAEEEEAEAKGNEVRPV AGSAESAALRLRAPLQQVQAQLSPLQNISPWILAVLT LQIQSLISCWAFWTTWTQSCSSNALPQSLPAWRSSQRSTQKDP VPYQPPFLCQWGRHQPSWKPLMN

靶点信息

研究背景	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, which 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 been found that upon accumulation of unfolded proteins in the endoplasmic reticulum (ER), the mRNA of this gene is processed to an active form by an unconventional splicing mechanism that is mediated by the endonuclease inositol-requiring enzyme 1 (IRE1). The resulting loss of 26 nt from the spliced mRNA causes a frame-shift and an isoform XBP1(S), which is the functionally active transcription factor. The isoform encoded by the unspliced mRNA, XBP1(U), is constitutively expressed, and thought to function as a negative feedback regulator of XBP1(S), which shuts off transcription of target genes during the recovery phase of ER stress. A pseudogene of XBP1 has been identified and localized to chromosome 5.
基因ID	7494
基因名	XBP1
Swiss	P17861
别名	XBP1;TREB-5;TREB5;XBP-1;XBP2;XBP1s;CBX1

产品验证



Western blot analysis of XBP1 expressed in human kidney cancer using XBP1 Rabbit mAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

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