



XBP1 Mouse mAb

货号	YP-mAb-18361
同位型	IgG
应用	WB
种属	Human, Mouse,Rat
其他名称	XBP2; TREB5; XBP-1; TREB-5; XBP1
免疫原	A synthetic peptide corresponding to a sequence within amino acids 277-376 of human XBP1 (NP_005071.2).
稀释	WB 1:500 - 1:2000
纯化工艺	Affinity purification
分子量	60kDa
背景	<p>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</p>
浓度	1 mg/ml
储存	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.



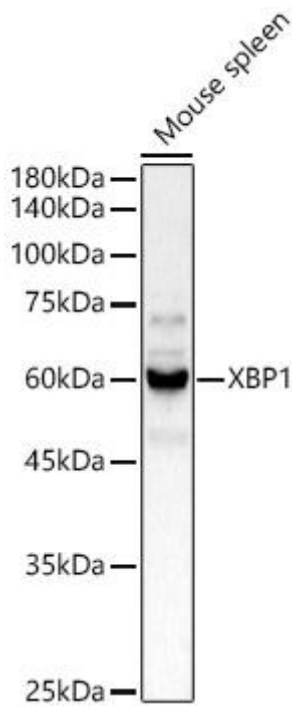
有关注意事项

Avoid repeated freezing and thawing!

使用建议

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from Mouse spleen, using XBP1 Mouse pAb (A1731) at 1:1000 dilution.

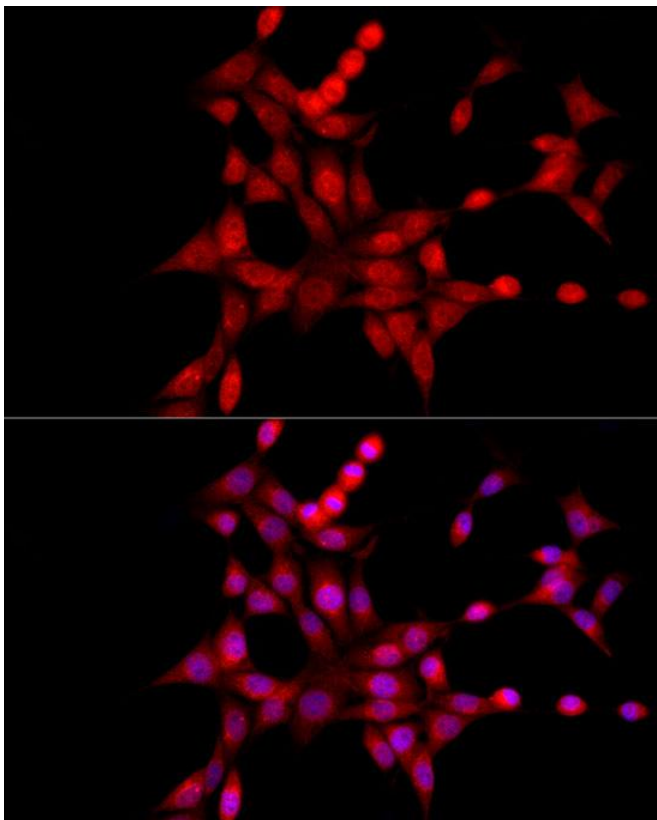
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 μ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s



Immunofluorescence analysis of NIH/3T3

cells using XBP1 Mouse pAb (A1731) at

dilution of 1:100 (40x lens).Secondary

antibody: Cy3-conjugated Goat anti-Mouse

IgG (H+L) (AS007) at 1:500 dilution. Blue:

DAPI for nuclear staining.