

Anti-XBP1 Antibody (8M292)

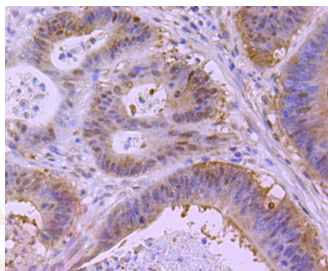
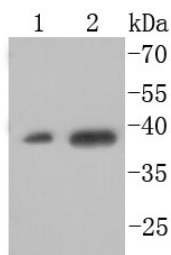
Product Details

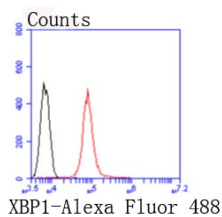
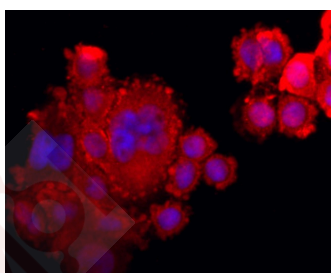
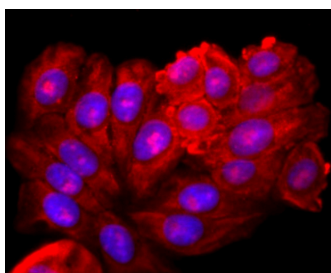
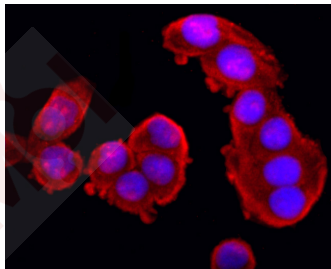
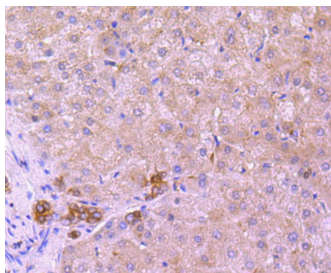
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 40 kDa.
Clone:	8M292
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of XBP1 on different cell lysates using anti-XBP1 antibody at 1/1,000 dilution. Positive control: Lane 1: HepG2, Lane 2: 293T.
2. Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-XBP1 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-XBP1 antibody. Counter stained with hematoxylin.
4. ICC staining XBP1 in Hela cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
5. ICC staining XBP1 in HepG2 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
6. ICC staining XBP1 in SW480 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
7. Flow cytometric analysis of 293T cells with XBP1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.





Application: FCM, ICC/IF, IHC, WB

Recommended WB: 1:500-1000; IHC: 1:50-200; ICC/IF: 1:100-500; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	P17861
Synonyms:	X-box-binding protein 1, luminal form;X box binding protein 2;X-box-binding protein 1, cytoplasmic form;XBP1;XBP 1;X-box-binding protein 1 in isoform 2;TREB5;XBP-1;Tax responsive element binding protein 5;XBP2;X box-binding protein-1

Research Background

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).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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