

XBP1 polyclonal antibody

Catalog: BS91458

Host: Rabbit

Reactivity: Human

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).

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

40 kDa

Swiss-Prot:

P17861(Human) O35426(Mouse) Q9R1S4(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:1,000

ICC:1:100-1:500

IHC:1:50-1:200

FC:1:50-1:100

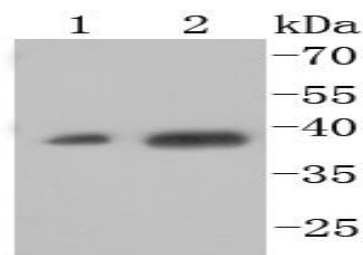
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

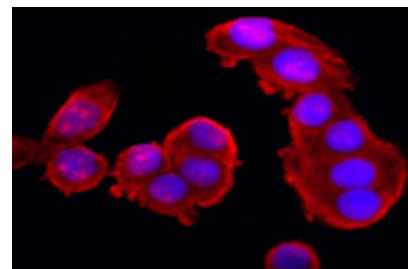
Specificity:

XBP1 polyclonal antibody detects endogenous levels of XBP1 protein.

DATA:



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



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.

Note:

For research use only, not for use in diagnostic procedure.

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