XBP1 Monoclonal Antibody (9B7E5)

Product Details

Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	9B7E5
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to amino acids 2 to 160 of human XBP-1.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.02% sodium azide
Storage conditions	-20°C
RRID	AB_11154615

Applications	Tested Dilution	Publications
Western Blot (WB)	1 µg/mL	-
Immunocytochemistry (ICC/IF)	2-5 µg/mL	1 Publication

Product Specific Information

A suggested positive control is XBP-1 recombinant protein.

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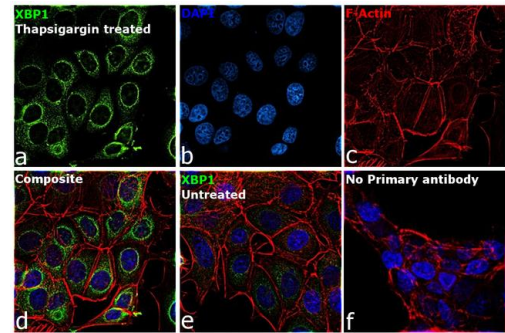
Product Images For XBP1 Monoclonal Antibody (9B7E5)

XBP1 Antibody (MA5-15768) in ICC/IF

Immunofluorescence analysis of XBP1 was performed using 70% confluent log phase MCF7 thapsigargin treated cells (2uM for 6hrs). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with XBP1 Monoclonal Antibody (9B7E5)(Product # MA5-15768) at 5µg/mL in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # MA5-15768), (1:2000 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b: Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962) . F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300 dilution). Panel d represents the merged image showing cytoplasmic localization. Panel e represents untreated cells with reduced signal. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.
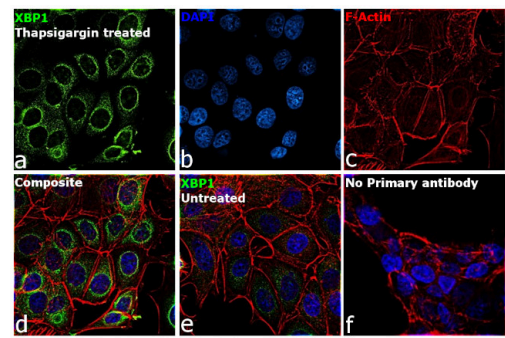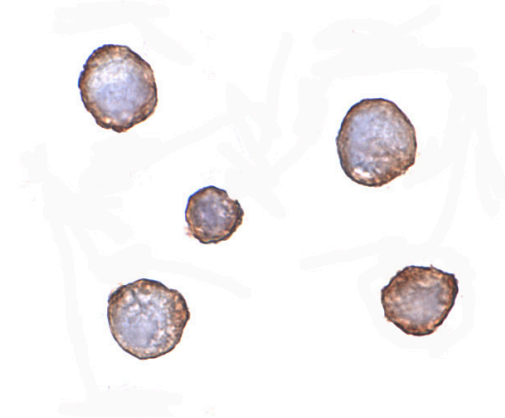

XBP1 Antibody (MA5-15768)

Detection of altered subcellular localization of the target protein by cell treatment demonstrates antibody specificity. Immunofluorescence analysis using XBP1 Monoclonal Antibody (9B7E5) (Product # MA5-15768) shows increased expression of XBP1 in thapsigargin treated MCF7 cells compared to untreated control cells. {TM}

XBP1 Antibody (MA5-15768) in ICC/IF

Immunocytochemistry of XBP-1 in HepG2 cells with XBP1 Monoclonal Antibody (9B7E5) (Product # MA5-15768) at 2 µg/mL.

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Immunocytochemistry (1)

Cell proliferation

Nuclear factor-kappa B-dependent X-box binding protein 1 signalling promotes the proliferation of nucleus pulposus cells under tumour necrosis factor alpha stimulation.

"Published figure using XBP1 monoclonal antibody (Product # MA5-15768) in Immunocytochemistry"

Authors: Chen L,Xie ZY,Liu L,Zhu L,Wang F,Fan P,Sinkemani A,Zhang C,Hong X,Wu XT

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