XBP1s | Validation File

TARGET XBP1s (X box binding protein 1 spliced transcript)
CLONE NAME 143F
DESCRIPTION mouse monoclonal
ANTIGEN USED GST-XBP1s C-terminus (amino-acids 165-367) recombinant protein
ISOTYPE IgG2a
SPECIES REACTIVITY human
LOCALIZATION nuclear
POSITIVE CONTROL tonsil
STORAGE BUFFER Tissue culture supernatant: 0.02% sodium azide
STORAGE Aliquot and store at 4C. Do not freeze

Recommended Inconclusive Not Recommended Not Tested

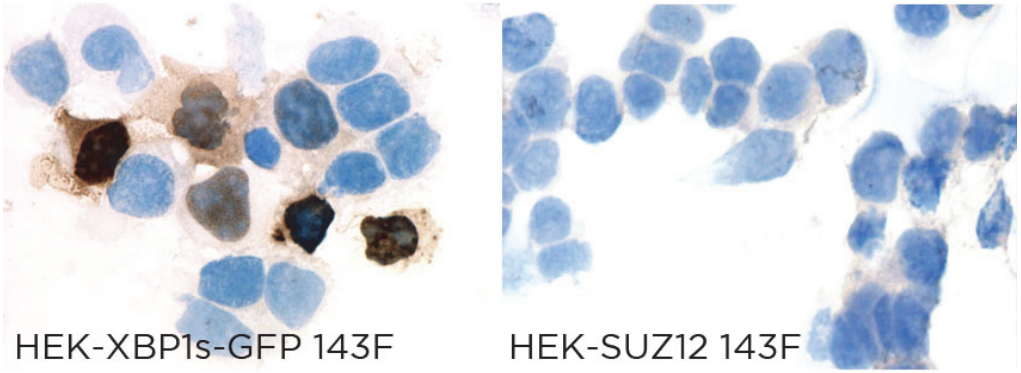
APPLICATIONS

| ICC | ***Immunocytochemistry***

143F is able to detect human XBP1s protein in immunocytochemistry

DILUTION neat supernatant

To confirm that 143F mAb recognizes human XBP1s protein, immunocytochemistry on frozen cytospin preparations of GFP-tagged XBP1s expressed in HEK293T was performed. Cytospin preparation of SUZ12 transfected cells was used as negative control.



HEK-XBP1s-GFP 143F

HEK-SUZ12 143F

| WB | ***Western Blotting***

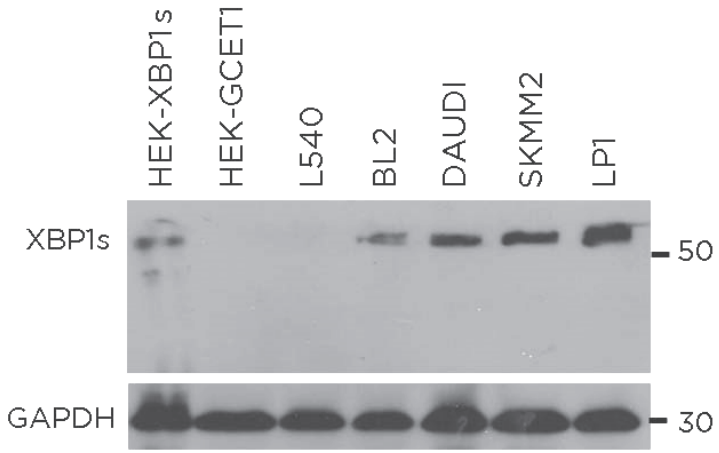
143F mAb is able to detect human XBP1s protein by WB.

DILUTION No dilution (neat supernatant)

Predicted molecular weight: ***54kDa***
Observed molecular weight: ***54kDa***

LANES

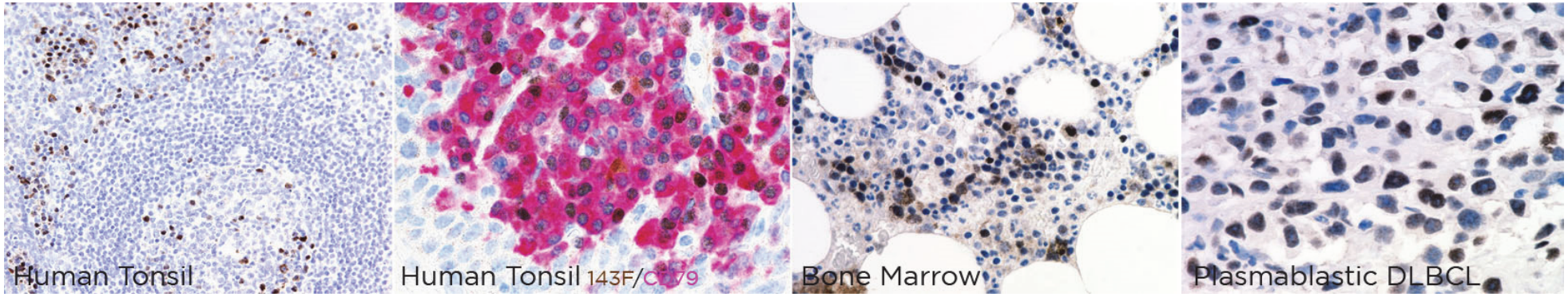
Lane 1 Hek-XBP1s	(20ug) (+)
Lane 2 Hek-GCET1	(20ug) (-)
Lane 3 L540 cell line	(100ug) (-)
Lane 4 BL2 cell line	(100ug) (+)
Lane 5 DAUDI cell line	(100ug) (+)
Lane 6 SKMM2 cell line	(100ug) (+)
Lane 7 LP1 cell line	(100ug) (+)



| IHC-P | ***Immunohistochemistry (paraffin)***

143F mAb can be used to detect XBP1s protein in human paraffin tissues

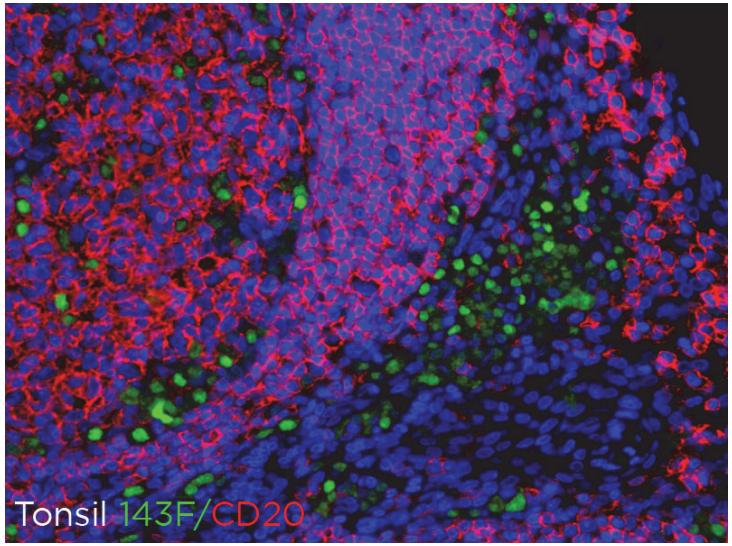
TISSUE SAMPLE Human tonsil, bone marrow and plasmablastic DLBCL
DILUTION 1:100 (supernatant)
ANT. RETRIEVAL 20 minutes ER2 (Tris-EDTA)
DETECTION SYSTEM Novolink kit (BondMax Leica)



| IF | ***Immunofluorescence (paraffin)***

143F mAb can be used to detect XBP1s protein by immunofluorescence

TISSUE SAMPLE Human tonsil
DILUTION Neat supernatant (green)
CD20 antibody 1:150 (red)



| IHC-F | ***Immunohistochemistry (frozen)*** Not Recommended

| FC | ***Flow Cytometry*** Not tested

| IP | ***Immunoprecipitation*** Not Tested

SOLD BY: Biolegend, Abcam and Millipore

REFERENCES

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