

HLDA9 Antibody Validation File

Antibody Information

Antibody name: 143F
Specificity: Human XBP-1s
Antibody species: Mouse
Ig Isotype: IgG2a
Immunogen: C terminal fragment of XBP-1s protein
Epitope recognized: unknown
Specificity: Human

Submitted: Giovanna Roncador (Spanish National Cancer Research Centre (CNIO), Spain)

Antibody validation data

Validation of 143F monoclonal antibody in transfected cells (Figure 1)

Biochemical characterization of 143F monoclonal antibody (Figure 2)

Expression in reactive human paraffin tonsil (Figure 3)

Figure 1: Validation of XBP-1s (143F) monoclonal antibody in transfected cells

Nuclear staining on frozen cytospin preparations of transfected HEK293T-XBP-1s cells using antibody 143F.

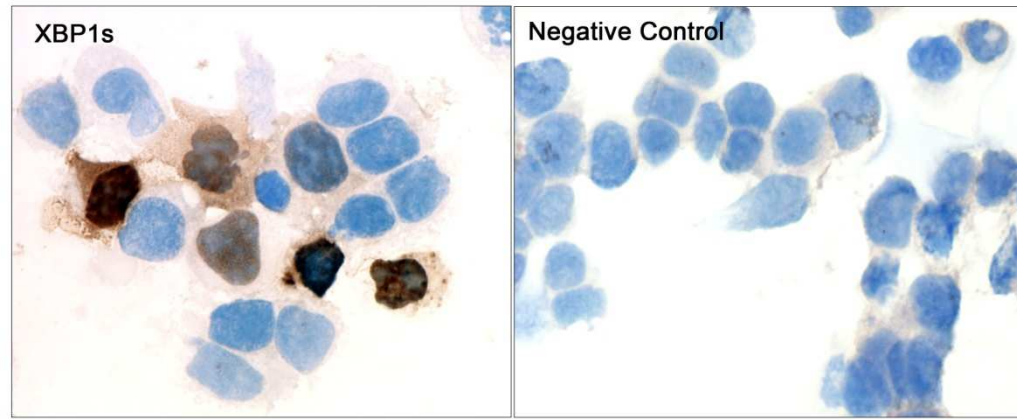


Figure 2: Western Blotting characterization of XBP-1s (143F) monoclonal antibody

Specificity of the XBP-1s (143F) monoclonal antibody is demonstrated by detection of a 54 kDa band in transfectants and myeloma cell lines.

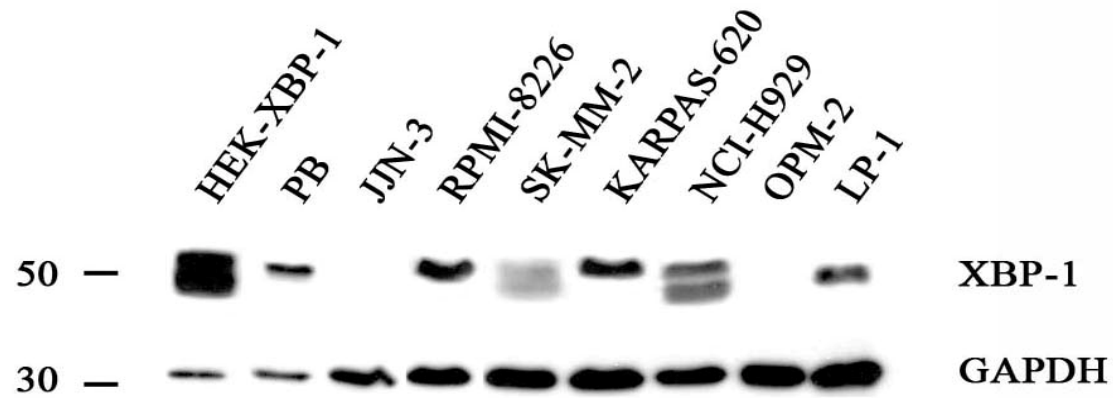
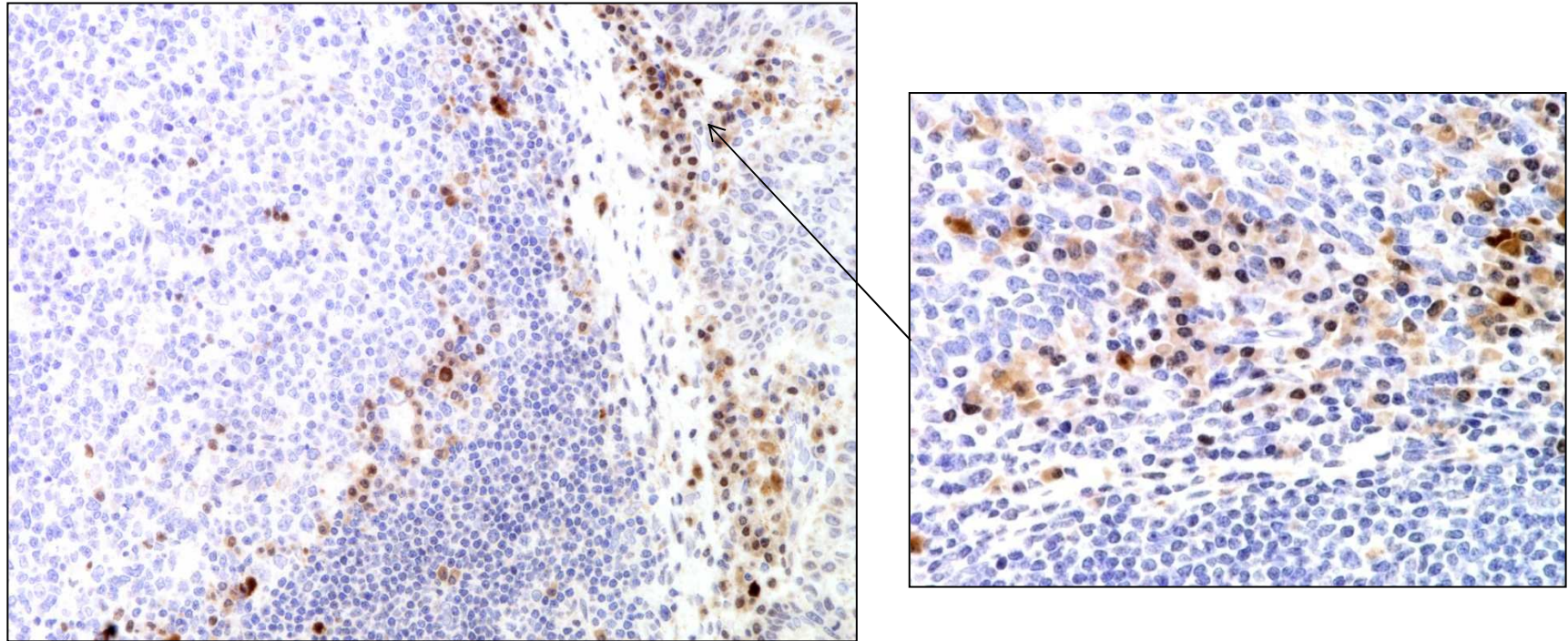


Figure 3: XBP-1s (143F) monoclonal antibody expression in reactive tonsil



Human tonsil: In human tonsil, XBP-1s (143F) monoclonal antibody stains nuclei of PCs within GC and subepithelial areas. In the GC a minor percentage small lymphocytes lacking PC phenotype are also observed.

Publications using antibody XBP-1s (143F)

Maestre L, Tooze R, Cañamero M, Montes-Moreno S, Ramos R, Doody G, Boll M, Barrans S, Baena S, Piris MA, Roncador G. XBP1(S) provides a specific marker of stress response and plasma cell differentiation. *Haematologica*. 2009 Mar;94(3):419-22.

Patents : NO

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