

HJURP | Validation File

TARGET HJURP (Holliday junction recognition protein)

CLONE NAME HOPE144K

DESCRIPTION mouse monoclonal

ANTIGEN USED HJURP-GST recombinant full length protein

ISOTYPE IgG2b

SPECIES REACTIVITY human

LOCALIZATION nuclear

POSITIVE CONTROL U2OS cell line

STORAGE BUFFER Tissue culture supernatant: 0.02% sodium azide

STORAGE Aliquot and store at 4C. Do not freeze

 Recommended

 Inconclusive

 Not Recommended

 Not Tested

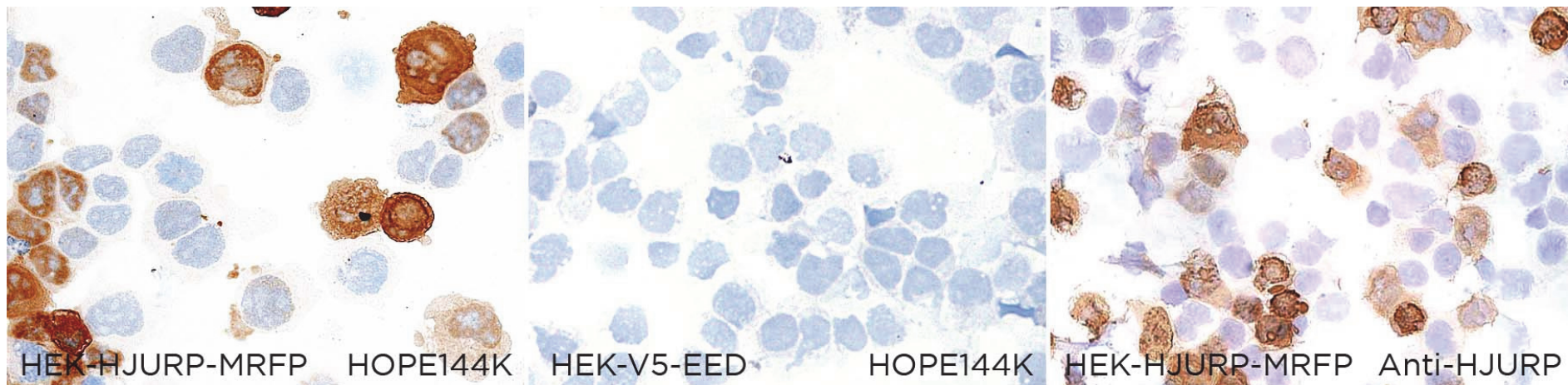
APPLICATIONS

● | ICC | *Immunocytochemistry*

HOPE144K is able to detect human HJURP protein in immunocytochemistry

DILUTION neat supernatant

To confirm that HOPE144K mAb recognizes human HJURP protein, immunohistochemistry on frozen cytospin preparations of MRFP tagged HJURP expressed in HEK293T cell line was performed. Cytospin preparation of EED transfected cells was used as negative control. Anti-HJURP polyclonal antibody was used as positive control.



● | WB | **Western Blotting**

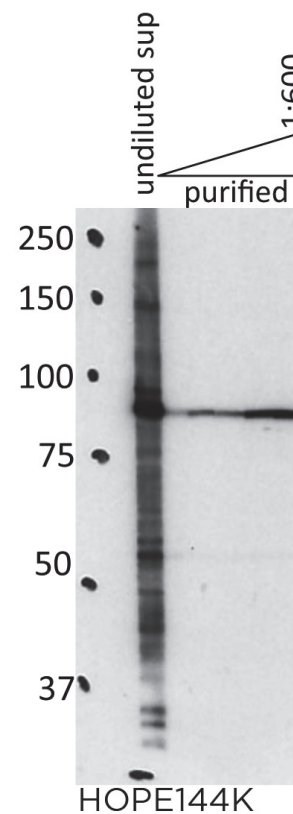
HOPE144K mAb is able to detect human HJURP protein by WB.

DILUTION neat supernatant and 1:600 purified antibody

Predicted molecular weight: **83kDa**
Observed molecular weight: **83kDa**

LANES

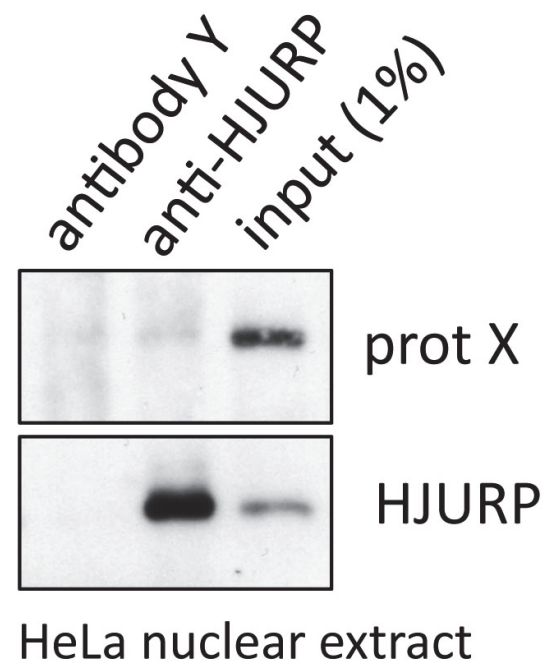
Lane 1 HeLa nuclear extract (50ug) (+)
Lane 2 HeLa nuclear extract (50ug) (+)
Lane 3 HeLa nuclear extract (50ug) (+)
Lane 4 HeLa nuclear extract (50ug) (+)



● | IP | **Immunoprecipitation**

HOPE144K mAb is able to detect human HJURP protein by IP.

Immunoprecipitation of protein extracts from human HeLa cell line with HOPE144K mAb (30ul/IP) followed by western blotting with HOPE144K (1:5 dilution).

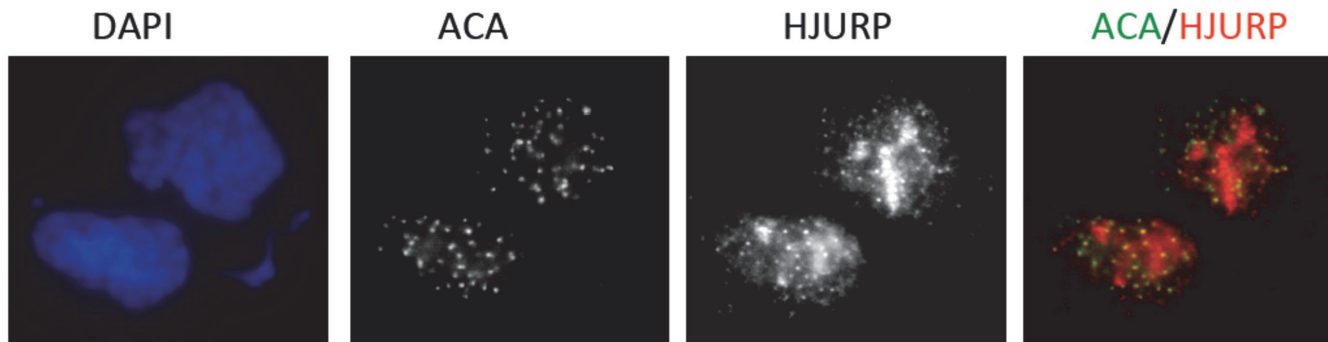


● | IF | **Immunofluorescence**

HOPE144K mAb can be used to detect HJURP protein by immunofluorescence

SAMPLE U2OS cell line

DILUTION HOPE144K antibody was used as undiluted supernatant (green). ACA antibody was used 1:30 (red).



U2OS cells (preextracted before fixation)

● | FC | **Flow Cytometry** Not Tested

● | IHC-F | **Immunohistochemistry (frozen)** Not Tested

● | IHC-P | **Immunohistochemistry (paraffin)** Not recommended

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