

mFRA2 | Validation File

TARGET mFRA2 (Fos like antigen 2)

CLONE NAME REY146C

DESCRIPTION rat monoclonal

ANTIGEN USED HIS-mFRA2 (178-326aa) recombinant protein

ISOTYPE IgG2a

SPECIES REACTIVITY mouse

LOCALIZATION nuclear

POSITIVE CONTROL skin

STORAGE BUFFER Tissue culture supernatant: 0.02% sodium azide

STORAGE Aliquot and store at 4C. Do not freeze

 Recommended

 Inconclusive

 Not Recommended

 Not Tested

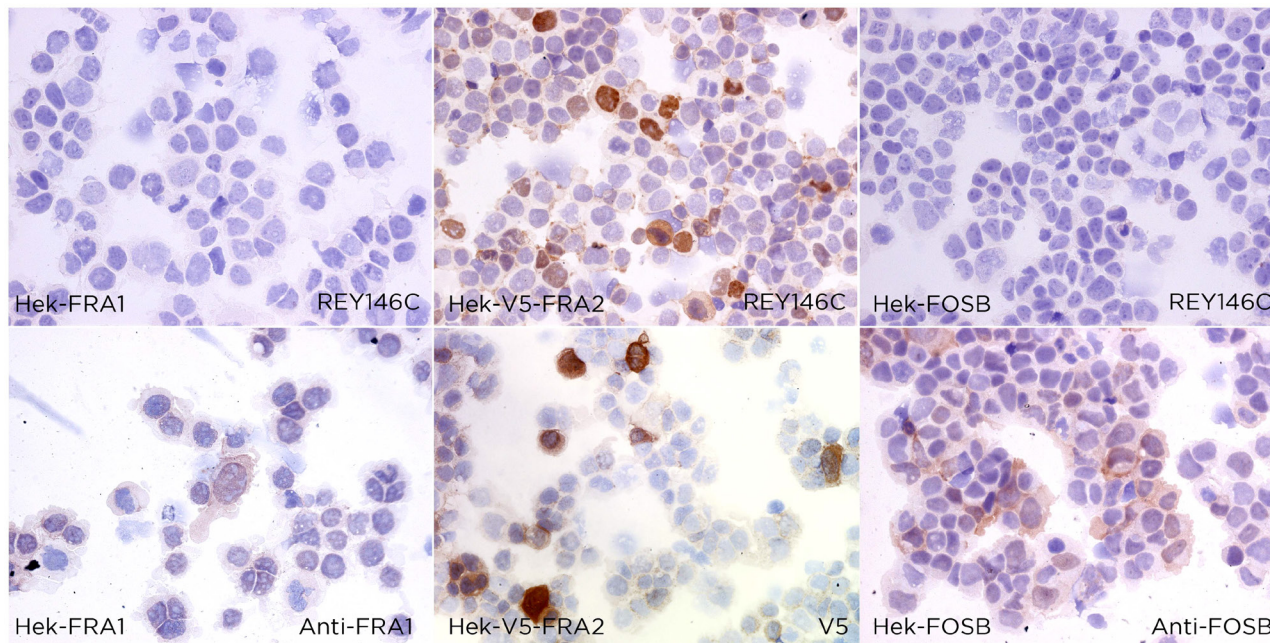
APPLICATIONS

● | ICC | Immunocytochemistry

REY146C mAb is able to detect mouse FRA2 protein in immunocytochemistry

DILUTION no dilution (neat supernatant)

To confirm that REY146C mAb recognizes mouse FRA2 protein, immunocytochemistry on frozen cytospin preparations of V5-tagged mFRA2 expressed in HEK293T was performed. Cytospin preparation of mouse FRA1 and mouse FOSB transfected cells was used as negative. Labeling with the anti-V5, anti-FOSB and anti-FRA1 antibodies confirmed the efficiency of the transfection.



Western Blotting

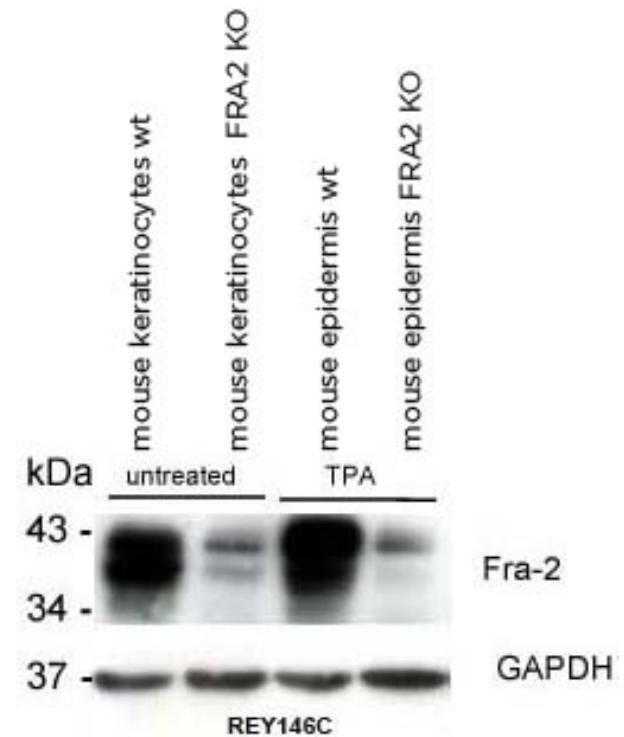
REY146C mAb is able to detect mouse FRA2 protein by WB.

DILUTION no dilution (neat supernatant)
1:200 purified antibody (1mg/ml)

Predicted molecular weight: **35kDa**
Observed molecular weight: **35kDa**

LANES

Lane 1	Mouse keratinocytes wt	(100ug)
Lane 2	Mouse keratinocytes FRA2 KO	(100ug)
Lane 3	Mouse epidermis wt	(100ug)
Lane 4	Mouse epidermis FRA2 KO	(100ug)



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

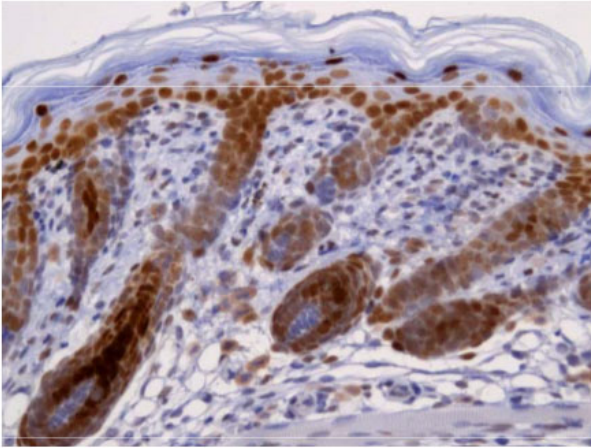
REY146C mAb is able to detect mouse FRA2 protein in human paraffin tissues

TISSUE SAMPLE WT skin and skin of Fra-2^{Δe} mutants (negative controls). No positive signal in keratinocytes (K5Cre -keratinocytespecific deletion) but in dermal cells.

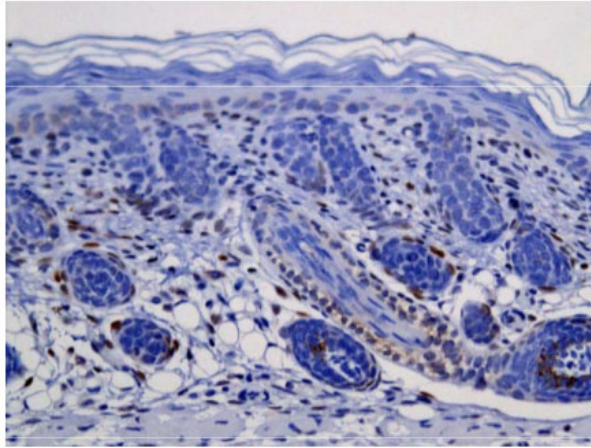
DILUTION 1:50 (neat supernatant)

DETECTION SYSTEM OminMap Standard (Ventana)

WT mouse skin



Fra-2^{Δe} mutants skin

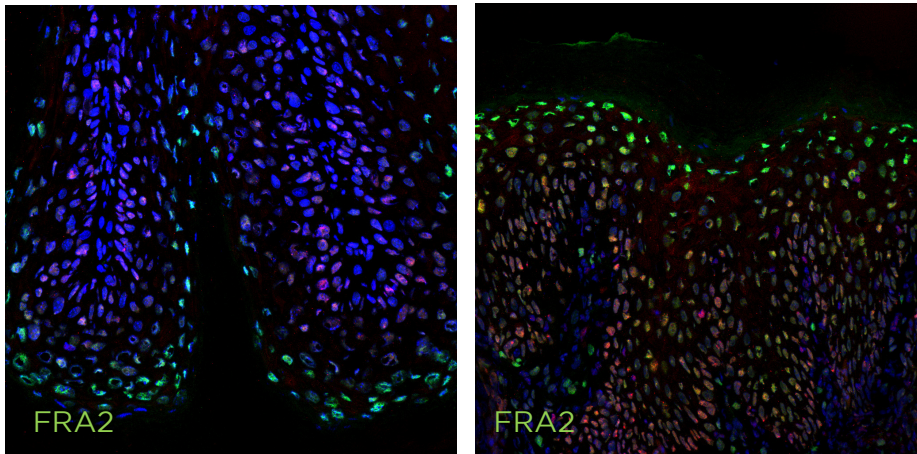


● | IF | **Immunofluorescence (paraffin)**

REY146C mAb is able to detect mouse FRA2 protein by immunofluorescence

TISSUE SAMPLE mouse skin

DILUTION No Dilution (Neat supernatant). REY146C in green.



● | IP | **Immunoprecipitation** Not Tested

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

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

REFERENCES

Wurm S, Zhang J, Guinea-Viniegra J, García F, Muñoz J, Bakiri L, Ezhkova E, Wagner EF. Terminal epidermal differentiation is regulated by the interaction of Fra-2/AP-1 with Ezh2 and ERK1/2. *Genes dev.* 2015 Jan 15;29 (2):144-56.