

# FAAP100 (m2): 293T Lysate: sc-125321

## BACKGROUND

FAAP100 (fanconi anemia-associated protein of 100 kDa), also known as C17orf70, is an 881 amino acid protein that belongs to the multisubunit fanconi anemia (FA) core complex in conjunction with FANCA, FANCB, FANCC, FANCE, FANCF, FANCG, FANCL/PHF9, FANCM and FAAP24. This complex functions in fanconi anemia-associated DNA damage response, with FAAP100 playing a major role in core complex stability and FANCD2 monoubiquitination. FAAP100 localizes to the nucleus and forms a complex with FANCB and FANCL. When repressed, FAAP100 induces chromosomal instability and hypersensitivity to DNA cross-linking agents. Existing as three alternatively spliced isoforms, the gene encoding FAAP100 maps to human chromosome 17q25.3.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: 2310003H01Rik (mouse) mapping to 11 E2.

## PRODUCT

FAAP100 (m2): 293T Lysate represents a lysate of mouse FAAP100 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

## STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

## APPLICATIONS

FAAP100 (m2): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive FAAP100 antibodies. Recommended use: 10-20 µl per lane.

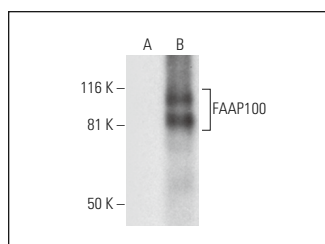
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

FAAP100 (C-11): sc-393052 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse FAAP100 expression in FAAP100 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

## RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:  
 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

## DATA



FAAP100 (C-11): sc-393052. Western blot analysis of FAAP100 expression in non-transfected: sc-117752 (A) and mouse FAAP100 transfected: sc-125321 (B) 293T whole cell lysates.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.