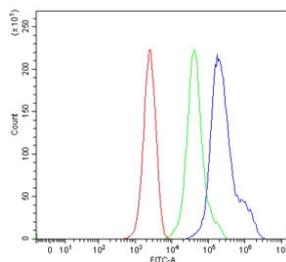


## Fanca Antibody / Fanconi anemia group A protein / FAA (RQ7171)

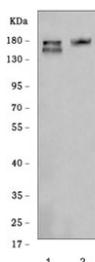
Catalog No.	Formulation	Size
RQ7171	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q9JL70
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This Fanca antibody is available for research use only.



Flow cytometry testing of mouse ANA-1 cells with Fanca antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Fanca antibody.



Western blot testing of 1) rat testis and 2) mouse thymus tissue lysate with Fanca antibody. Predicted molecular weight ~161 kDa.

## Description

Fanconi anaemia, complementation group A, also known as FAA, FACA and FANCA, is a protein which in humans is encoded by the FANCA gene. Acts upstream of or within several processes, including gonad development; regulation of CD40 signaling pathway; and regulation of regulatory T cell differentiation. Predicted to be located in nucleoplasm. Predicted to be part of Fanconi anaemia nuclear complex. Is expressed in several structures, including gut; liver; lung; reproductive system; and spleen. Used to study Fanconi anemia complementation group A. Human ortholog(s) of this gene implicated in several diseases, including Fanconi anemia (multiple); acute myeloid leukemia; esophagus squamous cell carcinoma; ovarian disease (multiple); and skin melanoma. Orthologous to human FANCA (FA complementation group A).

## Application Notes

Optimal dilution of the Fanca antibody should be determined by the researcher.

## Immunogen

Recombinant mouse protein (amino acids E1272-F1439) was used as the immunogen for the Fanca antibody.

## Storage

After reconstitution, the Fanca antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.