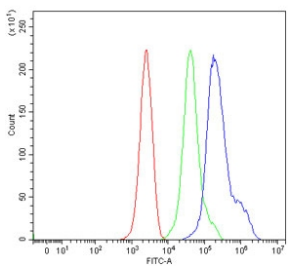
Fanca Antibody / Fanconi anemia group A protein / FAA (RQ7171)

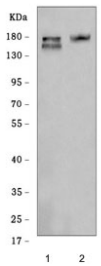
Catalog No.	Formulation	Size
RQ7171	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9JL70
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	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.

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