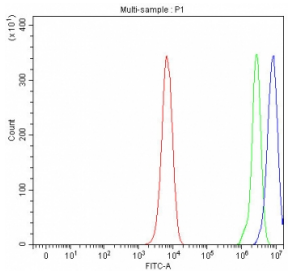
RNase H2 subunit A Antibody / RNASEH2A (RQ7616)

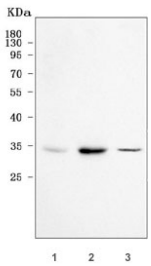
Catalog No.	Formulation	Size
RQ7616	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O75792
Localization	Nuclear
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This RNase H2 subunit A antibody is available for research use only.



Flow cytometry testing of human K562 cells with RNase H2 subunit A antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= RNase H2 subunit A antibody.



Western blot testing of human 1) HeLa, 2) Jurkat and 3) HepG2 cell lysate with RNase H2 subunit A antibody. Predicted molecular weight ~33 kDa.

Description

Ribonuclease H2 subunit A, also known as RNase H2 subunit A, is an enzyme that in humans is encoded by the RNASEH2A gene. The protein encoded by this gene is a component of the heterotrimeric type II ribonuclease H enzyme (RNAseH2). RNAseH2 is the major source of ribonuclease H activity in mammalian cells and endonucleolytically cleaves ribonucleotides. It is predicted to remove Okazaki fragment RNA primers during lagging strand DNA synthesis and to excise single ribonucleotides from DNA-DNA duplexes. Mutations in this gene cause Aicardi-Goutieres Syndrome (AGS), a an autosomal recessive neurological disorder characterized by progressive microcephaly and psychomotor retardation, intracranial calcifications, elevated levels of interferon-alpha and white blood cells in the cerebrospinal fluid.

Application Notes

Optimal dilution of the RNase H2 subunit A antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids R25-L299) was used as the immunogen for the RNase H2 subunit A antibody.

Storage

After reconstitution, the RNase H2 subunit A antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.