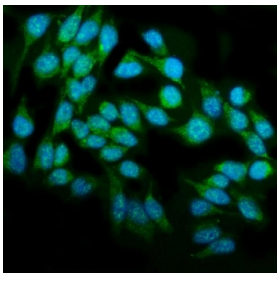
DAI Antibody / ZBP1 / Z-DNA-binding protein 1 (RQ6447)

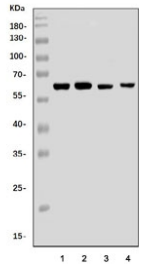
Catalog No.	Formulation	Size
RQ6447	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

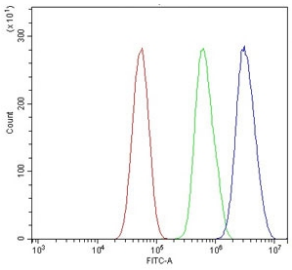
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9H171
Localization	Cytoplasmic, nuclear
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence (FFPE) : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This DAI antibody is available for research use only.



Immunofluorescent staining of FFPE human HeLa cells with DAI antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HEK293, 2) HeLa, 3) K562 and 4) Caco-2 cell lysate with DAI antibody. Predicted molecular weight: 15-49 kDa (multiple isoforms) but can be observed at up to ~60 kDa.



Flow cytometry testing of human U-87 MG cells with DAI antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= DAI antibody.

Description

Z-DNA-binding protein 1, also known as DNA-dependent activator of IFN-regulatory factors (DAI) and DLM-1, is a protein that in humans is encoded by the ZBP1 gene. This gene encodes a Z-DNA binding protein. The encoded protein plays a role in the innate immune response by binding to foreign DNA and inducing type-I interferon production. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Application Notes

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

Immunogen

Recombinant human protein (amino acids A2-E421) was used as the immunogen for the DAI antibody.

Storage

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

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com