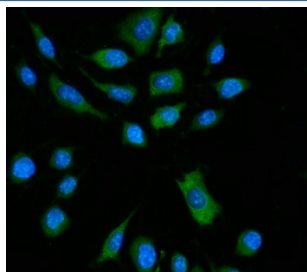


## Zbp1 Antibody / Z-DNA-binding protein 1 / Dai (RQ6581)

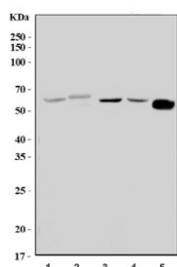
Catalog No.	Formulation	Size
RQ6581	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>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>	Q9QY24
<b>Localization</b>	Cytoplasmic, nuclear
<b>Applications</b>	Western Blot : 1-2ug/ml Immunofluorescence (FFPE) : 5ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This Zbp1 antibody is available for research use only.



Immunofluorescent staining of FFPE mouse RM-1 cells with Zbp1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) rat liver, 2) mouse kidney, 3) mouse HEPA1-6, 4) rat thymus and 5) mouse thymus tissue lysate with Zbp1 antibody. Predicted molecular weight: 15-49 kDa (multiple isoforms) but can be observed at up to ~60 kDa.

## 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 Zbp1 antibody should be determined by the researcher.

## Immunogen

Recombinant mouse protein (amino acids A2-D382) was used as the immunogen for the Zbp1 antibody.

## Storage

After reconstitution, the Zbp1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.