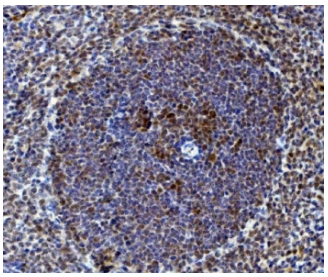
Rad9a Antibody (RQ5915)

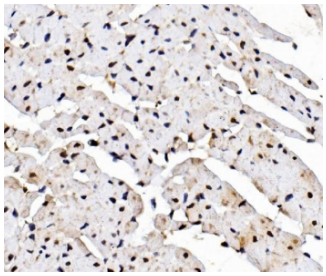
Catalog No.	Formulation	Size
RQ5915	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

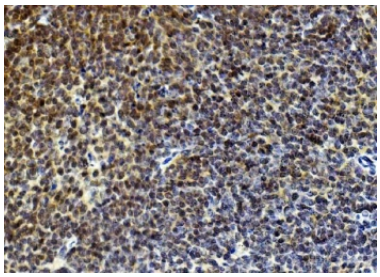
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9Z0F6
Applications	0.5-1ug/ml1-2ug/ml1-3ug/million cells0.1-0.5ug/ml
Limitations	This Rad9a antibody is available for research use only.



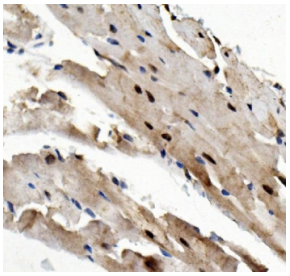
IHC staining of FFPE rat spleen with Rad9a antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



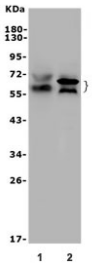
IHC staining of FFPE rat heart with Rad9a antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



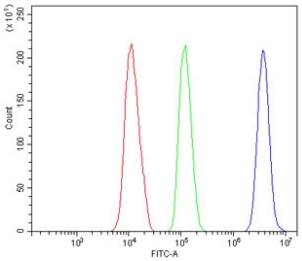
IHC staining of FFPE mouse spleen with Rad9a antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE mouse heart with Rad9a antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) mouse spleen and 2) rat PC-12 lysate with Rad9a antibody. Expected molecular weight: 45-70 kDa depending on phosphorylation level.



Flow cytometry testing of mouse HEPA1-6 cells with Rad9a antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Rad9a antibody.

Description

This gene product is highly similar to Schizosaccharomyces pombe rad9, a cell cycle checkpoint protein required for cell cycle arrest and DNA damage repair. This protein possesses 3' to 5' exonuclease activity, which may contribute to its role in sensing and repairing DNA damage. It forms a checkpoint protein complex with RAD1 and HUS1. This complex is recruited by checkpoint protein RAD17 to the sites of DNA damage, which is thought to be important for triggering the checkpoint-signaling cascade. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the Rad9a antibody should be determined by the researcher.

Immunogen

Recombinant mouse protein (amino acids M1-G389) was used as the immunogen for the Rad9a antibody.

Storage

After reconstitution, the Rad9a 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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