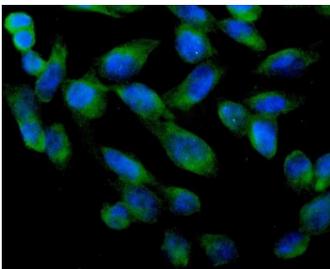


## ARA9 Antibody (R31473)

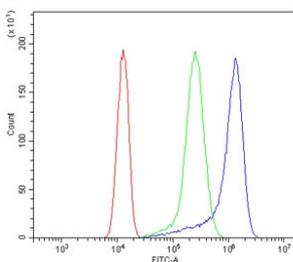
Catalog No.	Formulation	Size
R31473	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

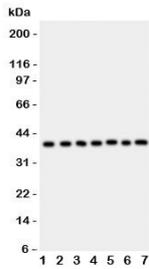
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>Gene ID</b>	9049
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunofluorescence : 2-4ug/ml Flow Cytometry : 1-3ug/million cells
<b>Limitations</b>	This ARA9 antibody is available for research use only.



Immunofluorescent staining of FFPE human U-2 OS cells with ARA9 antibody (green) at 2ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Flow cytometry testing of human A431 cells with ARA9 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ARA9 antibody.



Western blot testing of ARA9 antibody and Lane 1: HeLa; 2: COLO320; 3: HT1080; 4: MCF-7; 5: SW620; 6: U87; 7: MM231; Predicted molecular weight: ~37 kDa.

## Description

Aryl hydrocarbon receptor-associated protein-9 (ARA9), also known as AIP or XAP-2, is a protein that in humans is encoded by the AIP gene. This gene is mapped to 11q13.2. The encoded protein is found in the cytoplasm as part of a multiprotein complex, but upon binding of ligand is transported to the nucleus. ARA9/AIP may play a positive role in aryl hydrocarbon receptor-mediated signalling possibly by influencing its receptivity for ligand and/or its nuclear targeting. It has been shown that ARA9 is the cellular negative regulator of the hepatitis B virus (HBV) X protein. Mutations may be the cause of a familial form of acromegaly, familial isolated pituitary adenoma (FIPA).

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the ARA9 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Human partial recombinant protein (AA 91-330) was used as the immunogen for this ARA9 antibody.

## Storage

After reconstitution, the ARA9 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.