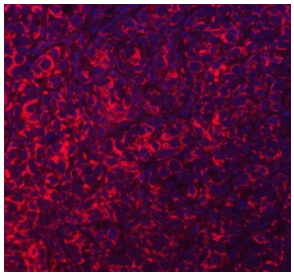
Acyl-CoA dehydrogenase family member 9 Antibody / ACAD9 (RQ7607)

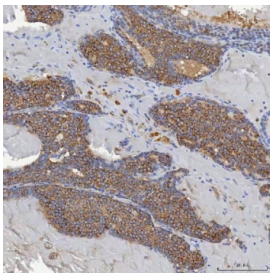
Catalog No.	Formulation	Size
RQ7607	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

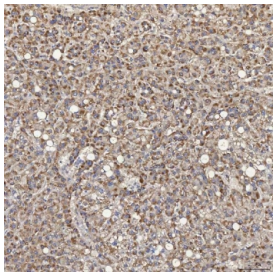
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9H845
Localization	Cytoplasmic (mitochondria)
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml IF Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Acyl-CoA dehydrogenase family member 9 antibody is available for research use only.



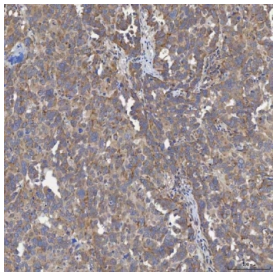
Immunofluorescent staining of FFPE human breast cancer tissue with Acyl-CoA dehydrogenase family member 9 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH8 EDTA buffer for 20 min.



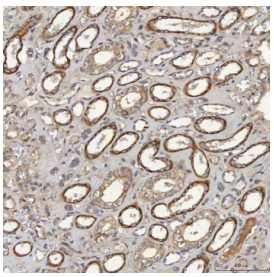
IHC staining of FFPE human breast cancer tissue with Acyl-CoA dehydrogenase family member 9 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



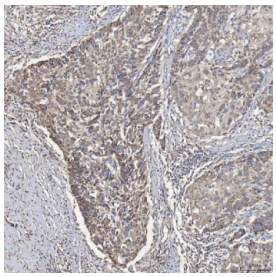
IHC staining of FFPE human liver cancer tissue with Acyl-CoA dehydrogenase family member 9 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



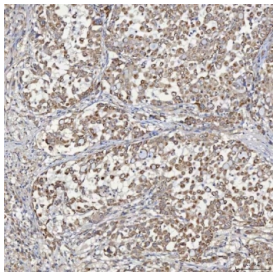
IHC staining of FFPE human ovarian serous cancer tissue with Acyl-CoA dehydrogenase family member 9 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



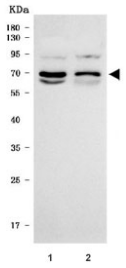
IHC staining of FFPE human renal cancer tissue with Acyl-CoA dehydrogenase family member 9 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



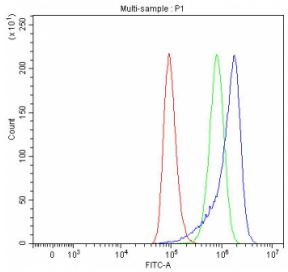
IHC staining of FFPE human larynx squamous cell carcinoma tissue with Acyl-CoA dehydrogenase family member 9 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human lung adenocarcinoma tissue with Acyl-CoA dehydrogenase family member 9 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) 293T and 2) K562 cell lysate with Acyl-CoA dehydrogenase family member 9 antibody. Predicted molecular weight ~69 kDa.



Flow cytometry testing of human A549 cells with Acyl-CoA dehydrogenase family member 9 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Acyl-CoA dehydrogenase family member 9 antibody.

Description

Acyl-CoA dehydrogenase family member 9, mitochondrial is an enzyme that in humans is encoded by the ACAD9 gene. This gene encodes a member of the acyl-CoA dehydrogenase family. Members of this family of proteins localize to the mitochondria and catalyze the rate-limiting step in the beta-oxidation of fatty acyl-CoA. The encoded protein is specifically active toward palmitoyl-CoA and long-chain unsaturated substrates. Mutations in this gene cause acyl-CoA dehydrogenase family member type 9 deficiency. Alternate splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the Acyl-CoA dehydrogenase family member 9 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids K92-C621) was used as the immunogen for the Acyl-CoA dehydrogenase family member 9 antibody.

Storage

After reconstitution, the Acyl-CoA dehydrogenase family member 9 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
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