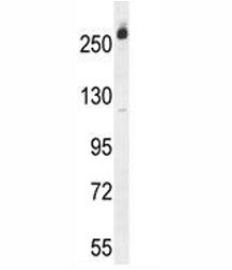
CAD Antibody / CAD Protein (F41205)

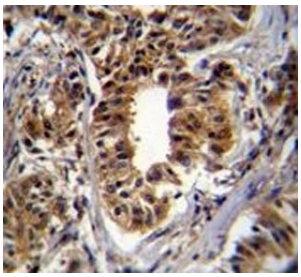
Catalog No.	Formulation	Size
F41205-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F41205-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

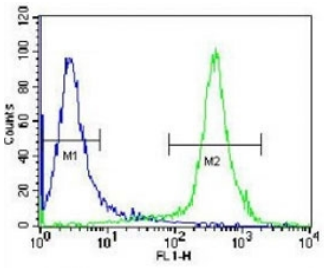
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P27708
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Flow Cytometry : 1:10-1:50
Limitations	This CAD antibody is available for research use only.



CAD antibody western blot analysis in Jurkat lysate. Predicted molecular weight ~243 kDa.



CAD antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma.



CAD antibody flow cytometric analysis of Jurkat cells (green) compared to a negative control (blue). FITC-conjugated donkey-anti-rabbit secondary Ab was used for the analysis.

Description

The de novo synthesis of pyrimidine nucleotides is required for mammalian cells to proliferate. This gene encodes a trifunctional protein which is associated with the enzymatic activities of the first 3 enzymes in the 6-step pathway of pyrimidine biosynthesis: carbamoylphosphate synthetase (CPS II), aspartate transcarbamoylase, and dihydroorotase. This protein is regulated by the mitogen-activated protein kinase (MAPK) cascade, which indicates a direct link between activation of the MAPK cascade and de novo biosynthesis of pyrimidine nucleotides.

Application Notes

Titration of the CAD antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 780-809 from the human protein was used as the immunogen for this CAD antibody.

Storage

Aliquot the CAD antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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