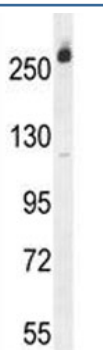


## CAD Antibody / CAD Protein (F41205)

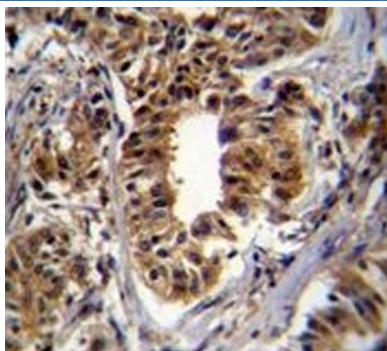
Catalog No.	Formulation	Size
F41205-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F41205-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

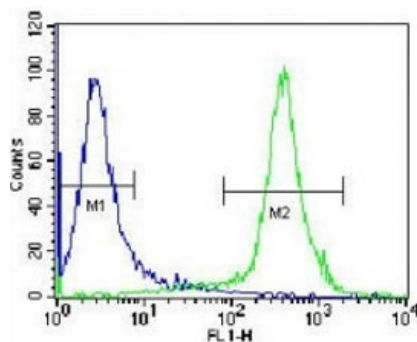
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Predicted Reactivity</b>	Mouse
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	P27708
<b>Applications</b>	Western blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Flow Cytometry : 1:10-1:50
<b>Limitations</b>	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.