

CAD Polyclonal Antibody

Catalog NumberPA5-21352

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Type	Antibody	Western Blot (WB)	1:500-1:3,000
Immunogen	Recombinant fragment corresponding to a region within amino acids 1625 and 1930 of CAD (Uniprot ID#P27708)	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.41 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS, pH 7, with 10% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

**Product specific information**

Recommended positive controls: 293T, C2C12. Predicted reactivity: Mouse (92%), Rat (92%), Bovine (92%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

**Background/Target Information**

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.

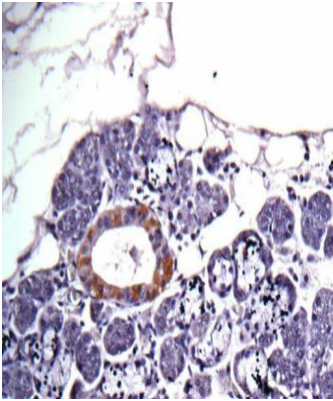
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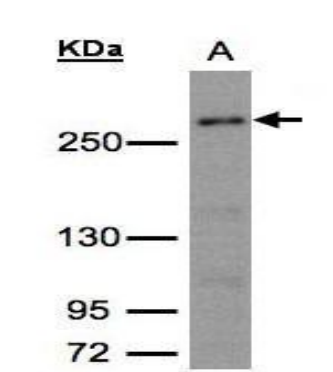
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Product Images For CAD Polyclonal Antibody



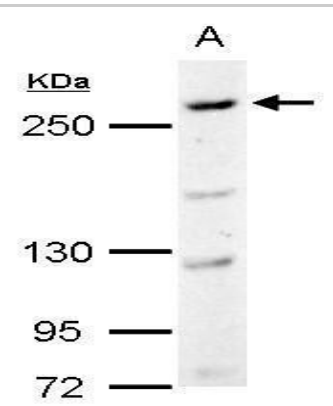
CAD Antibody (PA5-21352) in IHC (P)

Immunohistochemical analysis of human salivary gland cancer, using CAD (Product # PA5-21352) antibody at 1:100 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



CAD Antibody (PA5-21352) in WB

Western Blot using CAD Polyclonal Antibody (Product # PA5-21352). Sample (30 µg whole cell lysate). A: 293T whole cell lysate.5% SDS PAGE. CAD Polyclonal Antibody (Product # PA5-21352) diluted at 1:1500.



CAD Antibody (PA5-21352) in WB

CAD Polyclonal Antibody detects CAD protein by Western blot analysis. A. 30 µg C2C12 whole cell lysate/extract.5 % SDS-PAGE. CAD Polyclonal Antibody (Product # PA5-21352) dilution: 1:1,000.

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