

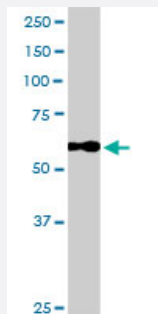
MaxPab®

CALD1 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00000800-D01

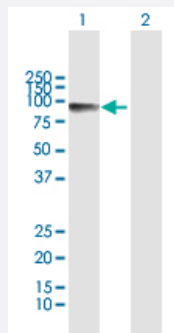
Size 100 uL

Applications



Western Blot (Tissue lysate)

CALD1 MaxPab rabbit polyclonal antibody. Western Blot analysis of CALD1 expression in mouse intestine.

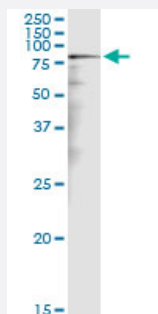


Western Blot (Transfected lysate)

Western Blot analysis of CALD1 expression in transfected 293T cell line ([H00000800-T01](#)) by CALD1 MaxPab polyclonal antibody.

Lane 1: CALD1 transfected lysate(62.7 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of CALD1 transfected lysate using anti-CALD1 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with CALD1 purified MaxPab mouse polyclonal antibody (B01P) ([H00000800-B01P](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human CALD1 protein.

Immunogen	CALD1 (NP_004333.1, 1 a.a. ~ 538 a.a) full-length human protein.
Sequence	MDDFERRRELRRQKREEMRLEAERIA YQRNDDDEEEAARERRRRARQERLRQKQEEESLGQVT DQVEVNAQNSVPDEEAKTTTTNTQVEGDDEAAFLERLARREERRQRLQEALERQKEFDPTITD ASLSLPSRRMQNDTAENETTEKEEKSESQRERYEIEETE TVTKSYQKNDWRDAEENKKEDKEKE EEEEEEKPKRGSIGENQIKDEKIKDKKEPKKEEVKSFMDRKKGFTEVKSQNGEFMTHKLKHTENTFS RPGGRASVDTKEAEGAPQVEAGKRLEELRRRRGETESEFEKLKQKQQAALAELEELKKKREE RRKVL EEEEEQRRKQEEADRLREEEEEKRRLKEEIERRRAEAAEKRQKMPEDGLSDDKKPFKCF TPKGSSLKIEERAFLNKSQKSSGVKSTHQAANVSKIDSRLEQYTS AIEGTSKSAKPTKPAASDLPV PAEGVRNIKSMWEKGNVFSSPTAAGTPNKETAGLKVGVS SRINEWLTKTPDGNKSPAPKPSDLR PGDVSSKRNLWEKQSVDKVTSPTKV
Host	Rabbit
Reactivity	Human, Mouse
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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[Protocol Download](#)

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- Immunoprecipitation

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[Protocol Download](#)

Gene Info — CALD1

Entrez GeneID	800
GeneBank Accession#	NM_004342.5
Protein Accession#	NP_004333.1
Gene Name	CALD1
Gene Alias	CDM, H-CAD, L-CAD, MGC21352, NAG22
Gene Description	caldesmon 1
Omim ID	114213
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a calmodulin- and actin-binding protein that plays an essential role in the regulation of smooth muscle and nonmuscle contraction. The conserved domain of this protein possesses the binding activities to Ca(2+)-calmodulin, actin, tropomyosin, myosin, and phospholipids. This protein is a potent inhibitor of the actin-tropomyosin activated myosin MgATPase, and serves as a mediating factor for Ca(2+)-dependent inhibition of smooth muscle contraction. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq]
Other Designations	-

Pathway

- [Vascular smooth muscle contraction](#)

Disease

- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)