

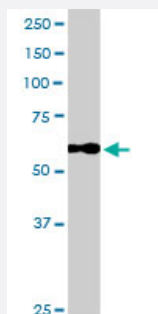
MaxPab®

CALD1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000800-D01P

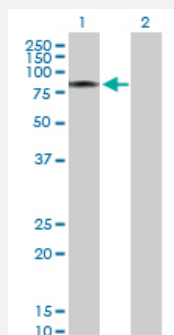
Size 100 ug

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(62.70 KDa).

Lane 2: Non-transfected lysate.

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
DQVEVNAQNSVPDEEAKTTTTNTQVEGDDEAAFLERLARREERRQKRLQEALERQKEFDPTITD
ASLSLPSRRMQNDTAENETTEKEEKSESQRQERYEIEETETVTKSYQKNDWRDAEENKKEDKEKE
EEEEEEKPKRGSIGENQIKDEIKKDKEPKKEEVKSFMDRKKGFTVKSQNGEFMTHKLKHTENTFS
RPGGRASVDTKEAEGAPQVEAGKRLEELRRRRGETESEFEKLKQKQQAALAELEELKKKREE
RRKVL EEEEEQRRKQEEADRLREEEEEKRRLKEEIERRRAEAAEKRQKMPEDGLSDDKKPFKCF
TPKGSSLKIEERA EFLNKS VQKSSGVKSTHQA AIVSKIDSRLEQY TSAIEG TKS AKPTKPAASDLPV
PAEGVRNIKSMWEKGNVFSSPTAAGTPNKETAGLKVGVS SRINEWLTKTPDGNKSPAPKPSDLR
PGDVSSKRNLWEKQSVDKVTSPTKV

Host

Rabbit

Reactivity

Human, Mouse

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

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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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](#)