

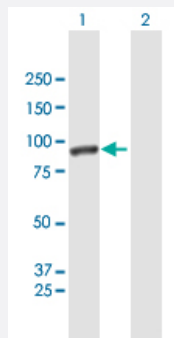
MaxPab®

CALD1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000800-B01P

Size 50 ug

Applications

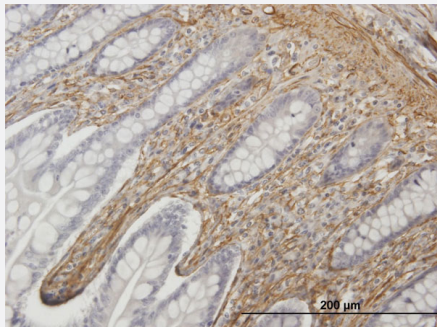


Western Blot (Transfected lysate)

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

Lane 1: CALD1 transfected lysate(59.18 KDa).

Lane 2: Non-transfected lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of purified MaxPab antibody to CALD1 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 3 ug/ml]

Specification

Product Description

Mouse 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	MDDFERRRELRRQKREEMRLEAERIAYQRNDDDEEEAARERRRRARQERLRQKQEEESLGQVT DQVEVNAQNSVPDEEAKTTTTNTQVEGDDEAAFLERLARREERRQKRLQEALERQKEFDPTITD ASLSLPSRRMQNDTAENETTEKEEEKSESRQERYEIEETETVTKSYQKNDWRDAEENKKEDKEKE EEEEEEKPKRGSIGENQIKDEIKKDKEPKKEEVKSFMDRKKGFTEVKSQNGEFMTHKLKHTENTFS RPGGRASVDTKEAEGAPQVEAGKRLEELRRRRGETESEFEKLKQKQQAALAELEELKKKREE RRKVLLEEEEQRRKQEEADRKLREEEEEKRRLKEEIERRRAEAAEKQKMPEDGLSDDKKPFKCF TPKGSSLKIEERAFLNKSQSSGVKSTHQAIVSKIDSRLEQYTSIEGTSKAPTKPAASDLPV PAEGVRNIKSMWEKGNVFSSPTAAGTPNKETAGLKVGVSSRINEWLTKTPDGNKSPAPKPSDLR PGDVSSKRNLWEKQSVDKVTSPTKV
Host	Mouse
Reactivity	Human
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

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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](#)