

DNAXPAb

Hard-to-Find
Antibody

CALD1 DNAXPab

Catalog # H00000800-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CALD1 DNA using DNAX™ Immune technology.
Technology	DNAX™ Immune
Immunogen	Full-length human DNA
Sequence	MDDFERRRELRRQKREEMRLEAERIA YQRNDDDEEEAARERRRRARQERLRQKQEEESLGQVT DQVEVNAQNSVPDEEAKTTTTNTQVEGDDEAAFLERLARREERRQRLQEALERQKEFDPTITD ASLSLPSRRMQNDTAENETTEKEEKSESRQERYEIEETETVTKSYQKNDWRDAEENKKEDKEKE EEEEKPKRGSIGENQIKDEIKKDKEPKKEEVKSFMDRKKGFTEVKSQNGEFMTHKLKHTENTFS RPGGRASVDTKEAEGAPQVEAGKRLEELRRRRGETESEEFELKQKQQAALAELEELKKKREE RRKVL EEEEEQRRKQEEADRLREEEERRLKEEIERRAEAAEKQKMPEDGLSDDKKPFKCF TPKGSSLKIEERA EFLNKS VQKSSGVKSTHQA A VSKIDSRLEQY TSAIEG TKS AKPTKPAASDLPV PAEGVRNIKSMWEKGNVFSSPTAAGTPNKETAGLKVG VSSRINEWLTKTPDGNKSPAPKPSDLR PGDVSSKRNLWEKQSVDKVTSP TKV
Host	Rabbit
Reactivity	Human
Purification	Protein A
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 (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

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](#)