

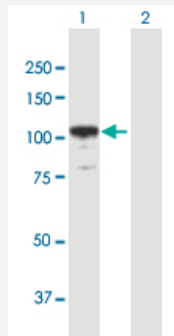
MaxPab®

ACTN2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000088-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ACTN2 expression in transfected 293T cell line ([H00000088-T01](#)) by ACTN2 MaxPab polyclonal antibody.

Lane 1: ACTN2 transfected lysate(103.9 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human ACTN2 protein.

Immunogen

ACTN2 (NP_001094.1, 1 a.a. ~ 894 a.a) full-length human protein.

Sequence

MNQIEPGVQYNYVDEDEYMIQEEWDRDLLLPAWEKQQRKFTAWCNSHLRKAGTQIENIEED
FRNGLKMLLLEVISGERLPKPDRGKMRFHKIANVNKALDYASKGVKLVSIGAEEMDGNVKMTLG
MWITILRFAIQDISVEETSAKEGLLLWCQRKTAPYRNVNIQNFHTSWKDGLGLCALIHRHRPDLIDYS
KLNKDDPIGNINLAMEIAEKHLDIPKMLDAEDVNTPKPDERAIMTYVSCFYHAFAGAEQAETAANRI
CKVLAVNQENERLMEEYERLASELLEWIRRTIPWLENRTPEKTMQAMQKKLEDFRDYRRKHKPP
KVQEKQCQLEINFNTLQTKLRISNRPAFMPSEGKMSVSDIAGAWQRLEQAEKGYYEELLNEIRRLERL
EHLAEKFRQKASTHETWAYGKEQILLQKDYESASLTEVRALLRKHEAFESDLAAHQDRVEQIAAIA
QELNELDYHDAVNVNDRQCQKICDQWDRLGTLTQKRREALERMEKLLTIDQLHLEFAKRAAPFNN
WMEGAMEDLQDMFVHSIEEIQSLITAHEQFKATLPEADGERQSIMAIQNEVEKVIQSYNIRISSNP
YSTVTMDLRTKWVKVQLVPIRDQSLQEELARQHANERLRRQFAAQANAIGPWIQNKMEEIARS
SIQTGALEDQMNQLKQYEHNIINYKNNIDKLEGDHQLIQEALVFDNKHTNYTMEHIRVWELLTTIA
RTINEVETQILTRDAKGITQEQMNEFRASFNFDRRKNGLMDHEDFRACLISMGYDLGEAEFARIM
TLVDPNGQGTVTFSFIDFMTRETADTDTAEQVIASFRILASDKPYLAEELRRELPPDQAQYCIKR
MPAYSGPGSVPGALDYAAFSSALYGESDL

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.

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[Protocol Download](#)

Gene Info — ACTN2

Entrez GeneID	88
GeneBank Accession#	NM_001103.1
Protein Accession#	NP_001094.1
Gene Name	ACTN2
Gene Alias	CMD1AA
Gene Description	actinin, alpha 2
Omim ID	102573
Gene Ontology	Hyperlink
Gene Summary	Alpha actinins belong to the spectrin gene superfamily which represents a diverse group of cytoskeletal proteins, including the alpha and beta spectrins and dystrophins. Alpha actinin is an actin-binding protein with multiple roles in different cell types. In nonmuscle cells, the cytoskeletal isoform is found along microfilament bundles and adherens-type junctions, where it is involved in binding actin to the membrane. In contrast, skeletal, cardiac, and smooth muscle isoforms are localized to the Z-disc and analogous dense bodies, where they help anchor the myofibrillar actin filaments. This gene encodes a muscle-specific, alpha actinin isoform that is expressed in both skeletal and cardiac muscles. [provided by RefSeq]
Other Designations	F-actin cross-linking protein OTTHUMP00000037963 alpha-actinin skeletal muscle

Pathway

- [Adherens junction](#)
- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Focal adhesion](#)
- [Leukocyte transendothelial migration](#)
- [Regulation of actin cytoskeleton](#)
- [Systemic lupus erythematosus](#)
- [Tight junction](#)

Disease

- [Cardiomyopathy](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Tobacco Use Disorder](#)