

Myozenin 2 Polyclonal Antibody

Catalog number: 11450-1-AP

Size: 20 µg/150 µl

Source: Rabbit

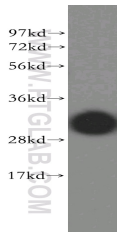
Isotype: IgG

Synonyms:

MYOZ2; C4orf5, Calsarcin-1,

FATZ related protein 2, MYOZ2,

Myozenin 2



human brain tissue were subjected to SDS PAGE followed by western blot with 11450-1-AP(MYOZ2 antibody) at dilution of 1:400

Background

MYOZ2 gene encodes for the calcineurin-binding protein myozenin-2 (or Calsarcin-1) belonging to myozenin family. Defects in MYOZ2 gene are the cause of familial hypertrophic cardiomyopathy type 16 (CMH16), a hereditary heart disorder characterized by ventricular hypertrophy. The disorder has inter- and intrafamilial variability ranging from benign to malignant forms with high risk of cardiac failure and sudden cardiac death (PMID: 17347475). Myozenins may serve as intracellular binding proteins involved in linking Z line proteins such as alpha-actinin, and gamma-filamin. Important role in the modulation of calcineurin signaling and myofibrillogenesis of myozenin-2 have been elucidated (PMID: 11114196). Proteintech's Myozenin-2 antibody 11450-1-AP was raised against full-length protein of human origin and is able to detect band of approximate 34 kDa in Western blotting.

Applications

Tested applications:	ELISA, WB
Species specificity:	Human,Mouse,Rat; other species not tested.
Calculated Myozenin 2 MW:	30 kDa
Observed Myozenin 2 MW:	30-35kd
Positive WB detected in	Human brain tissue
Recommended dilution:	WB: 1:500 - 1:2000

Application key: WB = Western blotting, IHC= Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2008
GenBank accession number:	BC017402
Gene ID (NCBI):	51778
Full name:	Myozenin 2

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.