

## MYOZ2 rabbit pAb

Cat No.: ES8545

For research use only

## Overview

Product Name MYOZ2 rabbit pAb

Host species Rabbit

**Applications** WB;ELISA;IHC **Species Cross-Reactivity** Human;Mouse;Rat

**Recommended dilutions** WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000 The antiserum was produced against synthesized

peptide derived from the Internal region of human

MYOZ2. AA range:21-70

**Specificity** The antibody detects endogenous MYOZ2 protein **Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

**Storage** Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name myozenin 2
Gene Name MYOZ2 C4orf5

**Cellular localization** Cytoplasm, myofibril, sarcomere, Z line . Colocalizes

with ACTN1 and PPP3CA at the Z-line of heart and

skeletal muscle. .

**Purification** The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

ClonalityPolyclonalConcentration1 mg/mlObserved band30kDHuman Gene ID51778Human Swiss-Prot NumberQ9NPC6

Alternative Names MYOZ2 C4orf5

**Background** The protein encoded by this gene belongs to a

family of sarcomeric proteins that bind to calcineurin, a phosphatase involved in

calcium-dependent signal transduction in diverse cell types. These family members tether calcineurin to alpha-actinin at the z-line of the sarcomere of cardiac and skeletal muscle cells, and thus they are



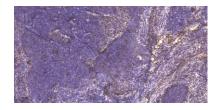
+86-27-59760950 ELKbio@ELKbiotech.com

www.elkbiotech.com



important for calcineurin signaling. Mutations in this gene cause cardiomyopathy familial hypertrophic type 16, a hereditary heart disorder. [provided by RefSeq, Aug 2011],

Western Blot analysis of hepg2 cells using Antibody diluted at 500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human cervical carcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

