



# MYOZ2 rabbit pAb

Cat No.:ES8545

For research use only

## Overview

|                                 |  |
|---------------------------------|--|
| <b>Product Name</b>             | MYOZ2 rabbit pAb   |
| <b>Host species</b>             | Rabbit   |
| <b>Applications</b>             | WB;ELISA;IHC   |
| <b>Species Cross-Reactivity</b> | Human;Mouse;Rat  |
| <b>Recommended dilutions</b>    | WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000   |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from the Internal region of human MYOZ2. AA range:21-70   |
| <b>Specificity</b>              | The antibody detects endogenous MYOZ2 protein  |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.   |
| <b>Protein Name</b>             | myozenin 2   |
| <b>Gene Name</b>                | MYOZ2 C4orf5   |
| <b>Cellular localization</b>    | Cytoplasm, myofibril, sarcomere, Z line . Colocalizes with ACTN1 and PPP3CA at the Z-line of heart and skeletal muscle. .  |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |
| <b>Clonality</b>                | Polyclonal   |
| <b>Concentration</b>            | 1 mg/ml  |
| <b>Observed band</b>            | 30kD   |
| <b>Human Gene ID</b>            | 51778  |
| <b>Human Swiss-Prot Number</b>  | Q9NPC6   |
| <b>Alternative Names</b>        | MYOZ2 C4orf5   |
| <b>Background</b>               | 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 |





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).

