

ACTA1 Antibody

Actin, Mouse Anti Human
ABM0010

Product Overview

Name ACTA1 Antibody

Description

Actin, Mouse Anti Human

Accession (Primary) [P68133](#)

Synonyms

Actin Alpha 2 Smooth Muscle Aorta, Cell Growth-Inhibiting Gene 46 Protein, Actin Aortic Smooth Muscle, Alpha-Cardiac Actin, Alpha-Actin-2, MYMY5, ACTSA, ACTVS, AAT6.

Introduction

ACTA2 is a member of the actin family of proteins, an extremely conserved family of proteins which takes part in cell motility, structure and integrity. Three types of actin isoforms are known: Alpha, beta and gamma. Alpha actins are a main factor of the contractile mechanism, and beta and gamma take part in the regulation of cell motility. ACTA2 is an alpha actin which is located in skeletal muscle. Mutations in ACTA2 cause aortic aneurysm familial thoracic type 6. Various alternatively spliced variants, encoding the same protein were identified.

Source

E.coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The ACTA2 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 85% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGSHM EEEDS TALVCDNGSG LCKAGFAGDD APRAVFPSIV GRPRHQGVMM
GMGQKDSYVG DEAQSKRGIL TLKYPIEHGI ITNWDDMEKI WHHSFYNELR VAPEEHPTLL TEAPLNPKAN
REKMTQIMFE TFNVPAMYVA IQAVLSLYAS GRTTGIVLDS GDGVTHNVPI YEGYALPHAI MRLDLAGRDL

TDYLMKILTE RGYSFVTTAE REIVRDIKEK LCYVALDFEN EMATAASSSS LEKSYELPDG QVITIGNERF
RCPETLFQPS FIGMESAGIH ETTYNSIMKC DIDIRKDLA NNVLSGGTTM YPGIADRMQK EITALAPSTM
KIKIIAPPER KYSVWIGGSI LASLSTFQQM WISKQEYDEA GPSIVHRKCF.

Precautions

ACTA1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: ([P68133](#))