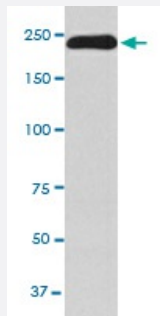


MYH11 monoclonal antibody, clone ABHD-13

Catalog # MAB20221 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of human testis lysate with MYH11 monoclonal antibody.

Specification

Product Description Rabbit monoclonal antibody raised against synthetic peptide of human MYH11.

Immunogen A synthetic peptide corresponding to human MYH11.

Host Rabbit

Reactivity Human

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage

- Immunocytochemistry (1:50-1:200)
- Immunofluorescence (1:50-1:200)
- Immunohistochemistry (1:50-1:200)
- Western Blot (1:500-1:2000)
- The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of human testis lysate with MYH11 monoclonal antibody.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunocytochemistry

Gene Info — MYH11

Entrez GeneID[4629](#)**Protein Accession#**[P35749](#)**Gene Name**

MYH11

Gene Alias

AAT4, DKFZp686D10126, DKFZp686D19237, FAA4, FLJ35232, MGC126726, MGC32963, SMHC, SMMHC

Gene Description

myosin, heavy chain 11, smooth muscle

Omim ID[132900](#) [160745](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a smooth muscle myosin belonging to the myosin heavy chain family. The gene product is a subunit of a hexameric protein that consists of two heavy chain subunits and two pairs of non-identical light chain subunits. It functions as a major contractile protein, converting chemical energy into mechanical energy through the hydrolysis of ATP. The gene encoding a human ortholog of rat NUDE1 is transcribed from the reverse strand of this gene, and its 3' end overlaps with that of the latter. The pericentric inversion of chromosome 16 [inv(16)(p13q22)] produces a chimeric transcript that encodes a protein consisting of the first 165 residues from the N terminus of core-binding factor beta in a fusion with the C-terminal portion of the smooth muscle myosin heavy chain. This chromosomal rearrangement is associated with acute myeloid leukemia of the M4Eo subtype. Alternative splicing generates isoforms that are differentially expressed, with ratios changing during muscle cell maturation. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations

myosin, heavy polypeptide 11, smooth muscle|smooth muscle myosin heavy chain 11

Pathway

- [Tight junction](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Ductus Arteriosus](#)
- [Genetic Predisposition to Disease](#)
- [Leukemia](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)