

Recombinant

DGRmAb®

smooth muscle Myosin heavy chain 11 (DGR15261) Rabbit mAb

db15098

Package : 10μL 20μL 50μL 100μL

Product Name : smooth muscle Myosin heavy chain 11 (DGR15261) Rabbit mAb**Cat.No.:** db15098**Synonyms** : AAT4; FAA4; SMHC; SMMHC**Application** : WB, IHC-P, ICC/IF, FC**Reactivity** : Human**Host species** : Rabbit**Background**

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, Jul 2008]

Immunogen

A synthetic peptide of human smooth muscle Myosin heavy chain 11

Gene ID

4629

Swiss Prot

P35749

Synonyms

AAT4; FAA4; SMHC; SMMHC

Reactivity

Human

Application

WB, IHC-P, ICC/IF, FC

Recommended dilution

WB: 1:1000-1:5000

IHC-P: 1:200-1:1000

ICC/IF: 1:50

FC: 1:20

Calculated MW

227 kDa

Observed MW	255 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR15261
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.