10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Myosin-8 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54318

Specification

Myosin-8 Polyclonal Antibody - Product Information

Application	**E**
Primary Accession	P13535
Reactivity	**Rat, Dog, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**223 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human Myosin-8**
Epitope Specificity	**1701-1800/1937**
Isotype	**IgG**
Purity affinity purified by Protein A	
Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Cytoplasm, myofibril. Note=Thick filaments of the myofibrils.**
SIMILARITY	**Contains 1 IQ domain.Contains 1 myosin head-like domain.**
SUBUNIT	**Muscle myosin is a hexameric protein that consists of 2 heavy chain subunits (MHC), 2 alkali light chain subunits (MLC) and 2 regulatory light chain subunits (MLC-2).**
DISEASE	**Carney complex variant (CACOV) [MIM:608837]: Carney complex is a multiple neoplasia syndrome characterized by spotty skin pigmentation, cardiac and other myxomas, endocrine tumors, and psammomatous melanotic schwannomas. Familial cardiac myxomas are associated with spotty pigmentation of the skin and other phenotypes, including primary pigmented nodular adrenocortical dysplasia, extracardiac (frequently cutaneous) myxomas, schwannomas, and pituitary, thyroid, testicular, bone, ovarian, and breast tumors. Cardiac myxomas do not develop in all patients with the Carney complex, but affected patients have at least two features of the complex or one feature and a clinically significant family history. Note=The disease is caused by mutations affecting the gene represented in this**

entry.Arthrogryposis, distal, 7 (DA7) [MIM:158300]: A form of distal arthrogryposis, a disease characterized by congenital joint contractures that mainly involve two or more distal parts of the limbs, in the absence of a primary neurological or muscle disease. DA7 is characterized by an inability to open the mouth fully (trismus) and pseudocamptodactyly in which wrist dorsiflexion, but not volarflexion, produces involuntary flexion contracture of distal and proximal interphalangeal joints. Additional features include shortened hamstring muscles and short stature. Note=The disease is caused by mutations affecting the gene represented in this entry.

Important Note

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions
Myosins are actin-based motor proteins that function in the generation of mechanical force in eukaryotic cells. Muscle myosins are heterohexamers composed of 2 myosin heavy chains and 2 pairs of nonidentical myosin light chains. This gene encodes a member of the class II or conventional myosin heavy chains, and functions in skeletal muscle contraction. This gene is predominantly expressed in fetal skeletal muscle. This gene is found in a cluster of myosin heavy chain genes on chromosome 17. A mutation in this gene results in trismus-pseudocamptodactyly syndrome. [provided by RefSeq, Sep 2009]

Myosin-8 Polyclonal Antibody - Additional Information

Gene ID 4626

Other Names
Myosin-8, Myosin heavy chain 8, Myosin heavy chain, skeletal muscle, perinatal, MyHC-perinatal, MYH8

Dilution
E~~N/A

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

Myosin-8 Polyclonal Antibody - Protein Information

Name MYH8

Function
Muscle contraction.

Cellular Location

Cytoplasm, myofibril. Note=Thick filaments of the myofibrils

Myosin-8 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Myosin-8 Polyclonal Antibody - Images