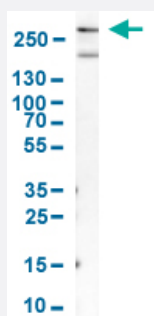


MYH11 polyclonal antibody

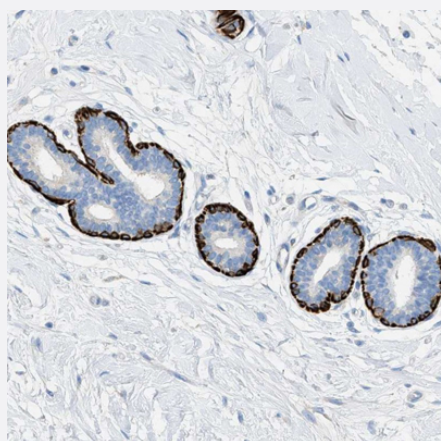
Catalog # PAB30606 Size 100 uL

Applications



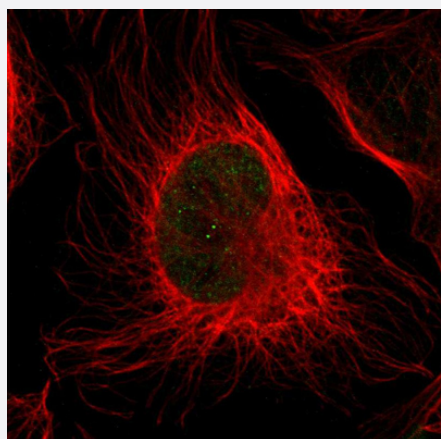
Western Blot (Tissue lysate)

Western Blot analysis of human esophagus tissue with MYH11 polyclonal antibody (Cat # PAB30606).



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast with MYH11 polyclonal antibody (Cat # PAB30606) shows strong positivity in myoepithelial cells.



Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS with MYH11 polyclonal antibody (Cat # PAB30606) shows positivity in nucleus. Antibody staining is shown in green.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human MYH11.
Immunogen	Recombinant protein corresponding to amino acids 1176-1272 of human MYH11.
Sequence	VTVLKKALDEETRSHEAQVQEMRQKHAQAVEELTEQLEQFKRAKANLDDKNKQTLEKENADLAG ELRVLGQAKQEVEHKKKKLEAQVQELQSKCSDGE
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1 - 4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50 - 1:200) Western Blot (1:100 - 1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C for short term storage. For long term storage store at -20°C. Aliquot to 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 (Tissue lysate)

Western Blot analysis of human esophagus tissue with MYH11 polyclonal antibody (Cat # PAB30606).

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast with MYH11 polyclonal antibody (Cat # PAB30606) shows strong positivity in myoepithelial cells.

- Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS with MYH11 polyclonal antibody (Cat # PAB30606) shows positivity in nucleus. Antibody staining is shown in green.

Gene Info — MYH11

Entrez GeneID	4629
Protein Accession#	P35749
Gene Name	MYH11
Gene Alias	AAT4, DKFZp686D10126, DKFZp686D19237, FAA4, FLJ35232, MGC126726, MGC32963, S MHC, SMMHC
Gene Description	myosin, heavy chain 11, smooth muscle
Omim ID	132900 160745
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
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](#)