Recombinant Smooth Muscle Myosin Heavy Chain (SM-MHC)(Leiomyosarcoma & Myoepithelial Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone rMYH11/8066]

Catalog No	Format	Size
4629-MSM11-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4629-MSM11-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4629-MSM11-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

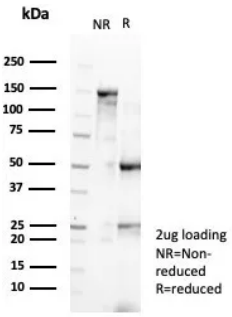
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

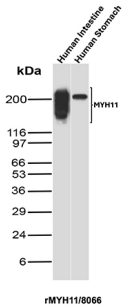
Clone	rMYH11/8066
Gene Name	MYH11
Immunogen	Recombinant full-length human MYH11 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	205kDa (MHC-1) and 200kDa (MHC-2)
Cellular Localization	Cytoplasm.
Species Reactivity	Human
Positive Control	Uterus or normal breast. Intestine, Stomach.

**Optimal dilution for a specific application should be determined.*

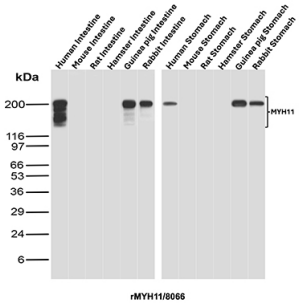
Product Images for Recombinant Smooth Muscle Myosin Heavy Chain (SM-MHC)(Leiomyosarcoma & Myoepithelial Cell Marker) Antibody



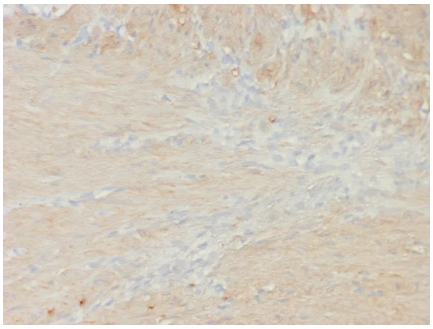
SDS-PAGE Analysis of Purified SM-MHC Recombinant Mouse Monoclonal Antibody (rMYH11/8066). Confirmation of Integrity and Purity of Antibody.



Western Blot Analysis of Human Intestine and Human Stomach tissue lysates using SM-MHC Mouse Recombinant Monoclonal Antibody (rMYH11/8066).



Western Blot Analysis of Intestine and Stomach tissue lysates of different species using SM-MHC Mouse Recombinant Monoclonal Antibody (rMYH11/8066).



Formalin-fixed, paraffin-embedded colon smooth muscle stained with SM-MHC Recombinant Mouse Monoclonal Antibody (rMYH11/8066). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

Smooth muscle myosin heavy chain (SM-MHC) is a cytoplasmic structural protein, which is a major component of the contractile apparatus in smooth muscle cells. Expression of smooth muscle myosin is developmentally regulated, appearing early in smooth muscle development, and is specific for smooth muscle development. Two isoforms of smooth muscle myosin heavy chain have been identified, designated MHC-1 and MHC-2. The antibody may be useful for the study of breast tumors as the presence of an intact layer of myoepithelial cells is an important feature, which may distinguish benign breast lesions and carcinoma in situ from invasive tumors.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C.Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Developmental Biology, Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.