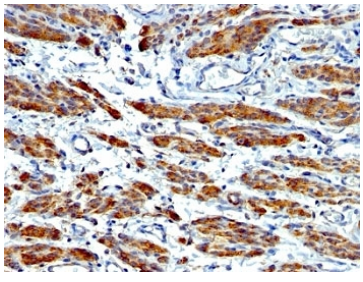
SMMHC Antibody Cocktail [clone MYH11/923 + SMMS-1] (V2752)

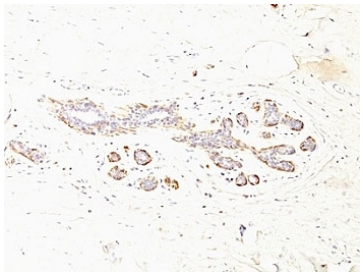
Catalog No.	Formulation	Size
V2752-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2752-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2752SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2752IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

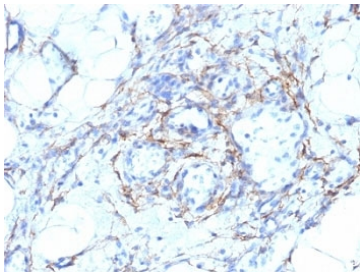
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	MYH11/923 + SMMS-1
Purity	Protein G affinity chromatography
UniProt	P35749
Localization	Cytoplasmic
Applications	Flow Cytometry : 0.5-1ug/10^6 cells Immunofluorescence : 0.5-1ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT
Limitations	This SMMHC antibody cocktail is available for research use only.



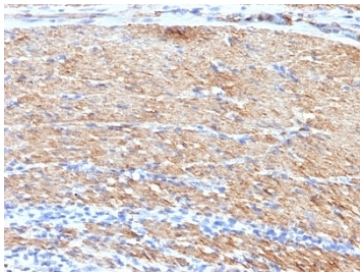
IHC: Formalin-fixed, paraffin-embedded human Leiomyosarcoma stained with SMMHC antibody (MYH11/923 + SMMS-1).



IHC: Formalin-fixed, paraffin-embedded human breast carcinoma stained with SMMHC antibody (MYH11/923 + SMMS-1).



IHC: Formalin-fixed, paraffin-embedded human angiosarcoma stained with SMMHC antibody (MYH11/923 + SMMS-1).



IHC: Formalin-fixed, paraffin-embedded human colon carcinoma stained with SMMHC antibody (MYH11/923 + SMMS-1).

Description

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.

Application Notes

Optimal dilution of the SMMHC antibody cocktail should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant human protein (MYH11/923) and human uterus extract (SMMS-1) were used as the immunogen for the SMMHC antibody cocktail.

Storage

Store the SMMHC antibody cocktail at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).