

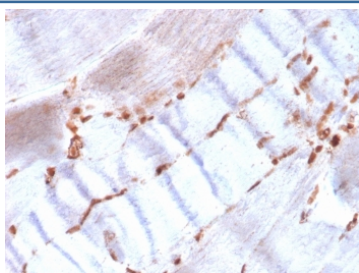
Recombinant Actin Antibody / ACTA2 / Smooth Muscle [clone ACTA2/1614R] (V9420)

Catalog No.	Formulation	Size
V9420-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9420-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20
V9420SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100

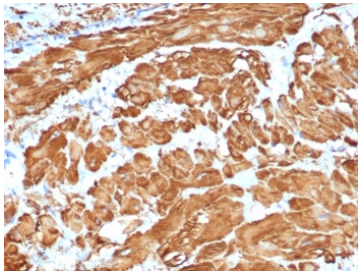
Recombinant **RABBIT MONOCLONAL**

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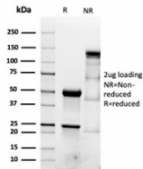
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	ACTA2/1614R
Purity	Protein A/G affinity
UniProt	P62736
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml Western Blot : 2-4ug/ml
Limitations	This recombinant Actin antibody is available for research use only.



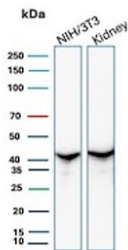
IHC staining of FFPE human skeletal muscle with recombinant Actin antibody (clone ACTA2/1614R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



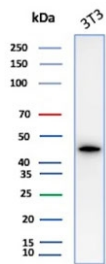
IHC staining of FFPE human uterus tissue with recombinant Actin (clone ACTA2/1614R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Actin antibody (clone ACTA2/1614R) as confirmation of integrity and purity.



Western blot testing of mouse NIH 3T3 cell and human kidney tissue lysate with recombinant Actin antibody.



Western blot testing of mouse NIH 3T3 cell lysate with recombinant Actin antibody.

Description

Actin is a major component of the cytoskeleton and is present in most cell types. It is highly specific to actin from smooth muscles. This MAb does not stain cardiac or skeletal muscle; however, it does stain myofibroblasts and myoepithelial cells. This antibody could be used together with anti-muscle specific actin and myogenin in making a diagnosis of smooth muscle and skeletal muscle tumors. In most cases of rhabdomyosarcoma, this antibody yields negative results whereas anti-muscle specific actin and myogenin are positive. Leiomyosarcomas are positive only with anti-muscle specific actin and anti-smooth muscle actin and are negative with anti-myogenin.

Application Notes

Optimal dilution of the recombinant Actin antibody should be determined by the researcher.

Immunogen

Recombinant full-length human ACTA2 protein was used as the immunogen for the recombinant Actin antibody.

Storage

Aliquot the recombinant Actin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

