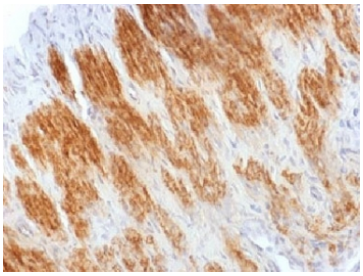
Calponin Antibody (V3211)

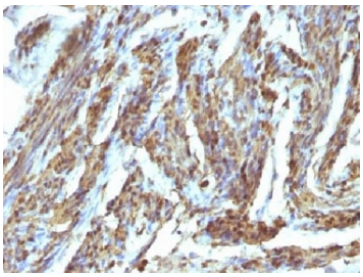
Catalog No.	Formulation	Size
V3211-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3211-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3211SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Protein A affinity chromatography
UniProt	P51911
Localization	Cytoplasmic
Applications	Flow cytometry: 0.5-1ug/10^6 cells Immunofluorescence: 1-2ug/ml Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT
Limitations	This Calponin antibody is available for research use only.



IHC testing of FFPE rat uterus stained with Calponin antibody. HIER: steam sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min.



IHC testing of FFPE human uterus stained with Calponin antibody. HIER: steam sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min.

Description

Calponin, encoded by the CNN1 gene, is an actin-binding protein widely used as a marker of differentiated smooth muscle cells. Calponin is a calmodulin, F-actin and tropomyosin binding protein which is thought to be involved in the regulation of smooth muscle contraction.

This Calponin antibody complements a related Calponin 1 antibody targeting CNN1 and smooth muscle-associated contractile protein biology.

Application Notes

Optimal dilution of the Calponin antibody should be determined by the researcher.

Immunogen

Recombinant human protein was used as the immunogen for the Calponin antibody.

Storage

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

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