

Datasheet for ABIN4949267

## Recombinant anti-Calponin antibody



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### 2 Images

#### Overview

Quantity:	100 µg
Target:	Calponin
Reactivity:	Human, Rat
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This Calponin antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Flow Cytometry (FACS)

#### Product Details

Immunogen:	Recombinant human protein was used as the immunogen for the recombinant Calponin antibody.
Clone:	CNN1-1408R
Isotype:	IgG kappa
Purification:	Protein A affinity chromatography

#### Target Details

Target:	Calponin
Abstract:	<a href="#">Calponin Products</a>

## Target Details

**Background:** Calponin is a calmodulin, F-actin and tropomyosin binding protein which is thought to be involved in the regulation of smooth muscle contraction.

## Application Details

**Application Notes:** Optimal dilution of the recombinant Calponin antibody should be determined by the researcher.  
1. 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.\. FACS: 0.5-1 µg/10<sup>6</sup> cells,Immunofluorescence: 1-2 µg/mL,Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 min at RT,Prediluted IHC only format: incubate for 30 min at RT (1)

**Restrictions:** For Research Use only

## Handling

**Concentration:** 0.2 mg/mL

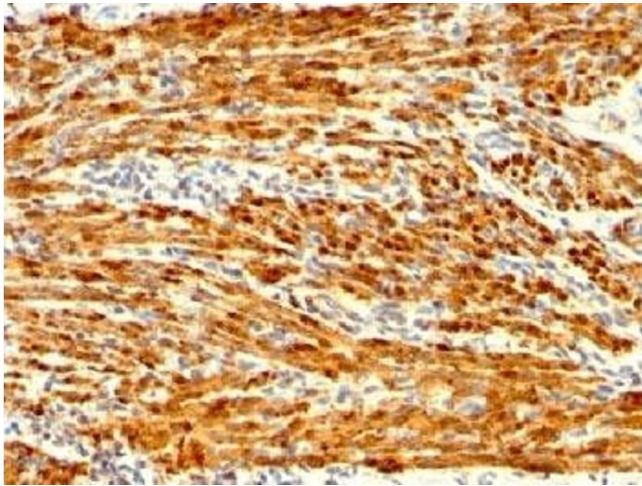
**Buffer:** 0.2 mg/mL in 1X PBS with 0.1 mg/mL BSA (US sourced) and 0.05 % sodium azide

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

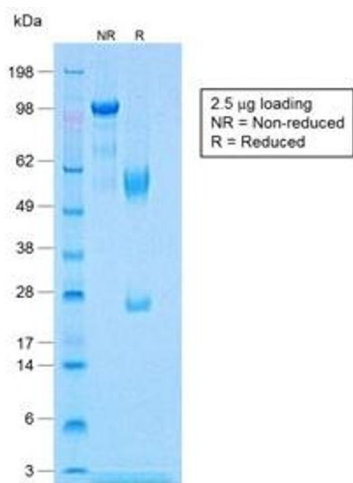
**Storage:** 4 °C,-20 °C

**Storage Comment:** Store the recombinant Calponin antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



### Immunohistochemistry

**Image 1.** IHC testing of FFPE human uterus stained with recombinant Calponin antibody (clone CNN1/1408R). Required HIER: steam sections in 1mM EDTA, pH 7.5-8.5, for 10-20 min followed by cooling at RT for 20 min.



### SDS-PAGE

**Image 2.** SDS-PAGE analysis of purified, BSA-free recombinant Calponin antibody (clone CNN1/1408R) as confirmation of integrity and purity.