

## Allgemeine Informationen

|   |  |  |
|---|--|--|
| <b>Katalog-Nr.:</b><br>66244-1-Ig   | <b>GenBank-Zugangsnummer:</b><br>BC141818  | <b>Reinigungsmethode:</b><br>Protein-A-Reinigung                         |
| <b>Größe:</b><br>150ul , Konzentration: 1880 µg/ml<br>durch die Bradford-Methode mit BSA<br>als Standard; | <b>GeneID (NCBI):</b><br>1265              | <b>CloneNo.:</b><br>1G10F5   |
| <b>Wirt:</b><br>Maus  | <b>Vollständiger Name:</b><br>calponin 2   | <b>Empfohlene Verdünnungen:</b><br>WB 1:5000-1:50000<br>IHC 1:500-1:4000 |
| <b>Isotyp:</b><br>IgG1  | <b>Berechnete Masse:</b><br>309 aa, 34 kDa |  |
| <b>Immunogen Katalognummer:</b><br>AG23594  | <b>Beobachtete Masse:</b><br>34-36 kDa     |  |

## Anwendungen

|  |  |
|--|--|
| <b>Geprüfte Anwendungen:</b><br>IHC, WB, ELISA   | <b>Positivkontrollen:</b>  |
| <b>Getestete Reaktivität:</b><br>Hausschwein, Human  | <b>WB :</b> HepG2-Zellen, A431-Zellen, Hausschwein-<br>Magengewebe, HeLa-Zellen, HT-1080.Zellen, Jurkat-<br>Zellen, K-562-Zellen |
| <b>Hinweis-IHC: Antigendemaskierung mit TE-<br/>Puffer pH 9,0 empfohlen. (*) Wahlweise<br/>kann die Antigendemaskierung auch mit<br/>Citratpuffer pH 6,0 erfolgen.</b> | <b>IHC :</b> humanes Mammaryhyperplasie-Gewebe,  |

## Hintergrundinformationen

Calponin is a family of actin filament-associated proteins which regulate smooth muscle cell contraction. Three isoforms of calponin exist: calponin h1 (CNN1) , calponin h2 (CNN2) and calponin 3 (CNN3). Calponin 1 and calponin 2 are predominately expressed in smooth muscle cells and cardiac muscle cells, respectively. Calponin 3 is highly expressed in many tissues including articular cartilage and brain.

## Lagerung

**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
**Aliquotieren ist nicht notwendig bei -20°C Lagerung**

\*\*\* 20ul-Größen enthalten 0.1% BSA

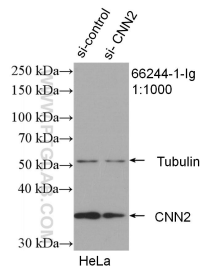
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

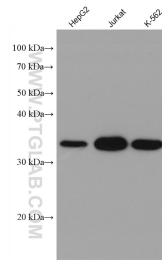
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

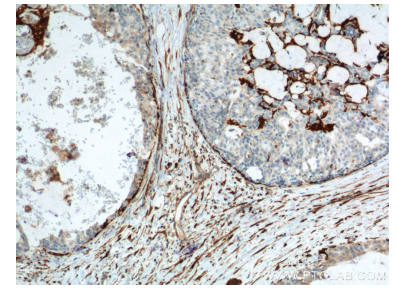
## Ausgewählte Validierungsdaten



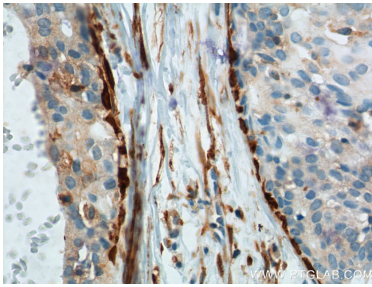
WB result of CNN2 antibody (66244-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CNN2 transfected HeLa cells.



HepG2 cells were subjected to SDS PAGE followed by western blot with 66244-1-Ig (CNN2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast hyperplasia tissue slide using 66244-1-Ig (CNN2 Antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast hyperplasia tissue slide using 66244-1-Ig (CNN2 Antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).