

## Product datasheet for **TA323111**

### Acidic Calponin (CNN3) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human fetal kidney tissue and 293T cells, human fetal lung tissue IHC: 25-100 Positive control: Human cervical cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length fusion protein
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	36 kDa
Gene Name:	calponin 3
Database Link:	<a href="#">NP_001830</a> <a href="#">Entrez Gene 54321 Rat</a> <a href="#">Entrez Gene 71994 Mouse</a> <a href="#">Entrez Gene 1266 Human</a> <a href="#">Q15417</a>



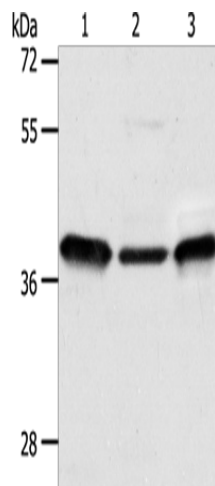
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**Background:**

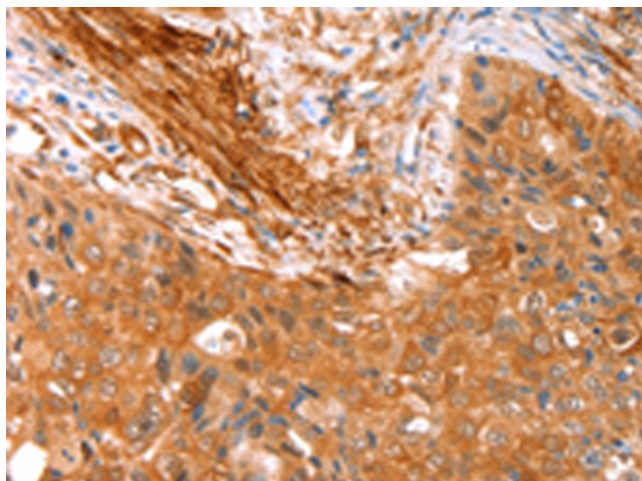
This gene encodes a protein with a markedly acidic C terminus; the basic N-terminus is highly homologous to the N-terminus of a related gene, CNN1. Members of the CNN gene family all contain similar tandemly repeated motifs. This encoded protein is associated with the cytoskeleton but is not involved in contraction. Thin filament-associated protein that is implicated in the regulation and modulation of smooth muscle contraction. It is capable of binding to actin, calmodulin, troponin C and tropomyosin. The interaction of calponin with actin inhibits the actomyosin Mg-ATPase activity.

**Synonyms:**

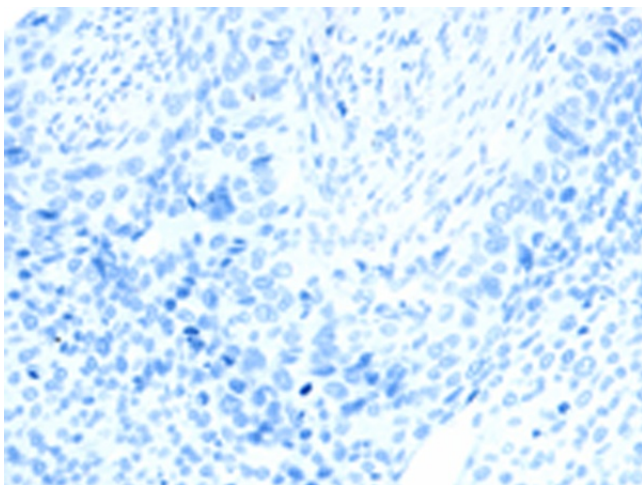
acidic; calponin; calponin 3; DJ639P13.2.2 (acidic calponin 3)

**Product images:**

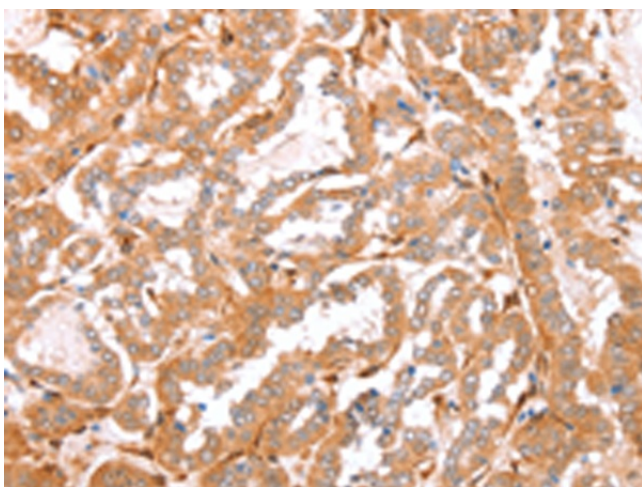
Gel: 10%SDS-PAGE  
Lysate: 40 µg  
Lane 1-3: Human fetal kidney tissue  
293T cells  
human fetal lung tissue  
Primary antibody: TA323111 (CNN3 Antibody) at dilution 1/300  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 1 minute



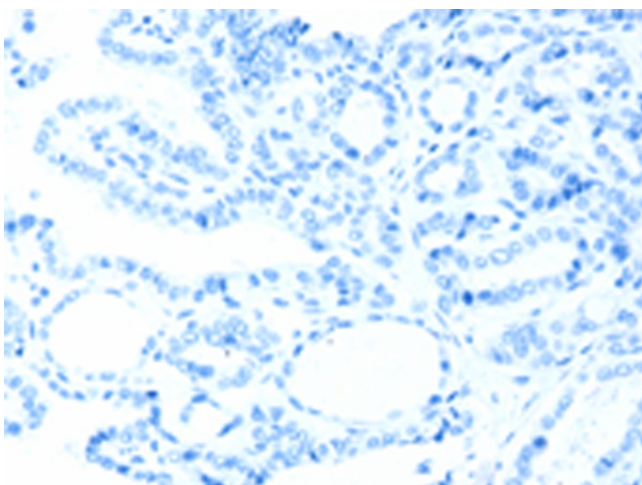
Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA323111 (CNN3 Antibody) at dilution 1/15 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA323111 (CNN3 Antibody) at dilution 1/15, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA323111 (CNN3 Antibody) at dilution 1/15 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA323111 (CNN3 Antibody) at dilution 1/15, treated with fusion protein. (Original magnification: ×200)