

Calponin Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50088

Clone# BP6093

Predicted Molecular Wt: 33kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P51911

Background:

Calponin a 33 kDa polypeptide, is a cytoskeleton-associated actin-binding protein that also interacts tropomyosin and calmodulin.

Calponin antibody has been found to be useful as a marker for myoepithelial and basal lamina in differentiating microinvasive from in situ ductal carcinomas of the breast. Calponin antibody may also have applications in malignant myoepithelium and pleomorphic adenoma of salivary gland as well as a useful marker for fine needle aspirates of papillary breast lesions. The antibody has been found in tissue extracts from smooth muscle, but not in fibroblast extracts.

Subcellular location:

Cytoplasm

Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide corresponding to residues on the C terminus of Human Calponin was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

-20°C

Storage instructions:

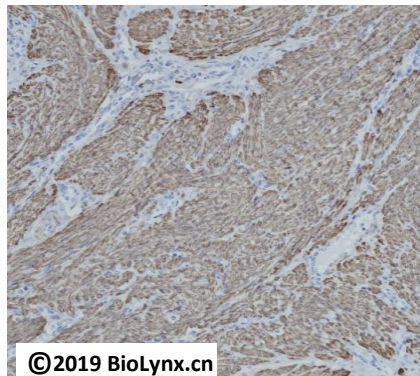
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:


IHC-P: 1:100-1:200

Background References:

1. Mosunjac MB, et al. Diagn Cytopathol. 2000 Sep; 23(3):151-5.
2. Abdulrahman SS, et al. Saudi Dent J 2019 Jan;31(1):105-114.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of liomyoma tissue labelling Calponin with BP6093. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.