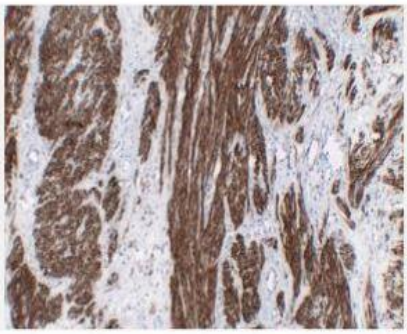
PRODUCT DATA SHEET

Calponin-1 (ABT-CALP) mouse mAb

Catalog No.	IML0106
Reactivity	Human; Mouse
Applications	IHC-p
Gene Name	CNN1
Protein Name	Calponin-1 (Basic calponin) (Calponin H1, smooth muscle)
Human Gene Id	1264
Swiss-Prot	P51911
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse:IgG1, Kappa
Dilution	IHC-p: 1:100-200
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Concentration	0.35mg:mL
Storage&Stability	-20°C:1 year
Background	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. similarity: Belongs to the calponin family. similarity: Contains 1 CH (calponin-homology) domain. similarity: Contains 3 calponin-like repeats.,subunit:Part of cGMP kinase signaling complex at least composed of ACTA2:alpha-actin, CNN1:calponin H1, PLN:phospholamban, PRKG1 and ITPR1. tissue specificity: Smooth muscle, and tissues containing significant amounts of smooth muscle.
Subcellular Location	Cytoplasmic
BiowMW	-

Products Images:



Immunohistochemical analysis of paraffin-embedded Fibroid. 1, Antibody was diluted at 1:200(4° overnight). 2, Citric acid ,pH6.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

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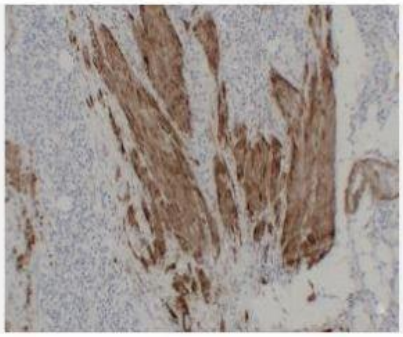
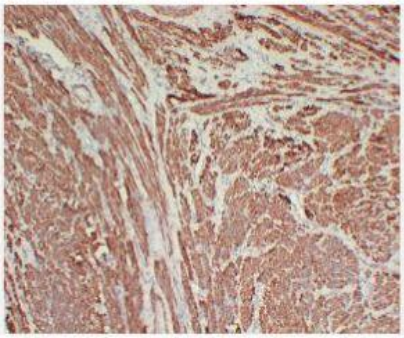
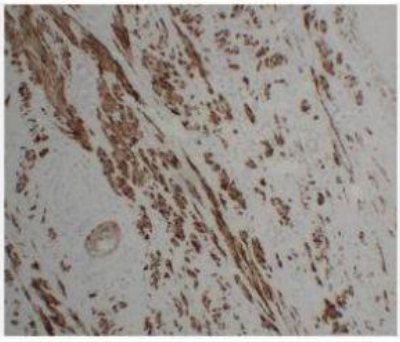


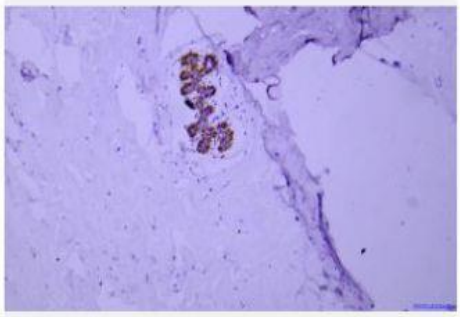
Immunohistochemical analysis of paraffin-embedded Laryngeal squamous cell carcinoma . 1, Antibody was diluted at 1:200(4° overnight). 2, Citric acid ,pH6.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded Liomyoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Citric acid ,pH6.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded Squamous carcinoma of the cervix. 1, Antibody was diluted at 1:200(4° overnight). 2, Citric acid ,pH6.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded human breast Antibody was diluted at 1:200(4° overnight).