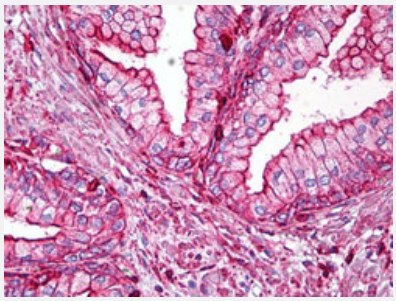
ACTB monoclonal antibody, clone BA3R

Catalog # MAB12983 Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human prostate with ACTB monoclonal antibody, clone BA3R (Cat # MAB12983) at 5 ug/mL working concentration.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of human ACTB.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus region of human ACTB.
Host	Mouse
Theoretical MW (kDa)	40
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG2b
Recommend Usage	ELISA Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (5 ug/mL) Western Blot (1:1000-1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.05% sodium azide).

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Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human prostate with ACTB monoclonal antibody, clone BA3R (Cat # MAB12983) at 5 ug/mL working concentration.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot

Gene Info — ACTB

Entrez GeneID	60
Protein Accession#	P60709
Gene Name	ACTB
Gene Alias	PS1TP5BP1
Gene Description	actin, beta
Omim ID	102630
Gene Ontology	Hyperlink
Gene Summary	This gene encodes one of six different actin proteins. Actins are highly conserved proteins that ar e involved in cell motility, structure, and integrity. This actin is a major constituent of the contractile apparatus and one of the two nonmuscle cytoskeletal actins. [provided by RefSeq
Other Designations	PS1TP5-binding protein 1|actin, cytoplasmic 1|beta actin|beta cytoskeletal actin

Publication Reference

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- p38 predicts depression and poor outcome in esophageal cancer.

  Cheng Y, Qiao Z, Dang C, Zhou B, Li S, Zhang W, Jiang J, Song Y, Zhang J, Diao D.

  Oncology Letters 2017 Dec; 4(6):7241.

  Application: WB-Ce, Human, Eca-109, TE-1 cells

Pathway

- Adherens junction
- Arrhythmogenic right ventricular cardiomyopathy (ARVC)
- Focal adhesion
- Hypertrophic cardiomyopathy (HCM)
- Leukocyte transendothelial migration
- Pathogenic Escherichia coli infection - EHEC
- Regulation of actin cytoskeleton
- Tight junction
- Vibrio cholerae infection

Disease

- Breast cancer
- Breast Neoplasms

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