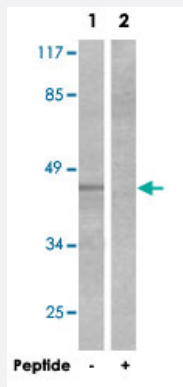


ACTB polyclonal antibody

Catalog # PAB18050 Size 100 ug

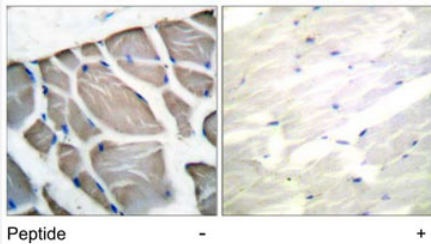
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells, using ACTB polyclonal antibody (Cat # PAB18050).

Peptide "+" means "with peptide blocking".



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

Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue using ACTB polyclonal antibody (Cat # PAB18050).

Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ACTB.
Immunogen	A synthetic peptide corresponding to human ACTB.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to ACTB.
Form	Liquid

Recommend Usage	Western Blot (1:500~1:1000) Immunohistochemistry (1:50~1:100) ELISA(1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells, using ACTB polyclonal antibody (Cat # PAB18050).
Peptide "+" means "with peptide blocking".

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

Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue using ACTB polyclonal antibody (Cat # PAB18050).
Peptide "+" means "with peptide blocking".

- Immunohistochemistry

- Enzyme-linked Immunoabsorbent Assay

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 are 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

- [Suprabasal Dsg2 expression in transgenic mouse skin confers a hyperproliferative and apoptosis-resistant phenotype to keratinocytes.](#)

Brennan D, Hu Y, Joubert S, Choi YW, Whitaker-Menezes D, O'Brien T, Uitto J, Rodeck U, Mahoney MG.

Journal of Cell Science 2007 Mar; 120(Pt 5):758.

Application: WB-Ti, Mouse , Mouse skin extracts

- [Immunization with murine breast cancer cells treated with antisense oligodeoxynucleotides to type I insulin-like growth factor receptor induced an antitumoral effect mediated by a CD8+ response involving Fas/Fas ligand cytotoxic pathway.](#)

Schillaci R, Salatino M, Cassataro J, Proietti CJ, Giambartolomei GH, Rivas MA, Carnevale RP, Charreau EH, Elizalde PV.

The Journal of Immunology 2006 Mar; 176(6):3426.

Application: Wb, Mouse, C4HD cells

- [Identification and characterization of two novel splicing isoforms of human estrogen-related receptor beta.](#)

Zhou W, Liu Z, Wu J, Liu JH, Hyder SM, Antoniou E, Lubahn DB.

The Journal of Clinical Endocrinology and Metabolism 2006 Feb; 91(2):569.

Application: WB, Human, C4-12-5, Ishikawa cells, Kidney tissues

- [Regulation of microfilament organization by Kaposi sarcoma-associated herpes virus-cyclin.CDK6 phosphorylation of caldesmon.](#)

Cuomo ME, Knebel A, Platt G, Morrice N, Cohen P, Mitnacht S.

The Journal of Biological Chemistry 2005 Oct; 280(43):35844.

Application: WB-Re, Recombinant protein

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](#)