

ACTB polyclonal antibody

Catalog # PAB12496

Size 50 uL

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ACTB.
Immunogen	A synthetic peptide corresponding to N-terminus of human ACTB.
Host	Rabbit
Reactivity	Human, Mouse, Primates, Rat
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris-citrate/phosphate buffer, pH 7.0 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunocytochemistry
- Immunofluorescence
- Immunoprecipitation

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

- [The impact of TLR7 agonist R848 treatment on mast cell phenotype and activity.](#)

Justyna Agier, Ewa Brzezińska-Błaszczuk, Piotr Witczak, Elżbieta Kozłowska, Paulina Żelechowska.

Cellular Immunology 2021 Jan; 359:104241.

Application: WB-Ce, Rat, Rat peritoneal mast cells

- [Conditional neuronal simian virus 40 T antigen expression induces Alzheimer-like tau and amyloid pathology in mice.](#)

Park KH, Hallows JL, Chakrabarty P, Davies P, Vincent I.

Journal of Neuroscience 2007 Mar; 27(11):2969.

Application: WB, Mouse, Mouse hippocampus

- [Hyperoxic exposure leads to nitrative stress and ensuing microvascular degeneration and diminished brain mass and function in the immature subject.](#)

Sirinyan M, Sennlaub F, Dorfman A, Sapieha P, Gobeil F Jr, Hardy P, Lachapelle P, Chemtob S.

Stroke 2006 Nov; 37(11):2807.

Application: WB-Ti, Rat, Rat brains

- [Localization and role of NPC1L1 in cholesterol absorption in human intestine.](#)

Sane AT, Sinnett D, Delvin E, Bendayan M, Marcil V, Menard D, Beaulieu JF, Levy E.

Journal of Lipid Research 2006 Oct; 47(10):2112.

Application: WB, Human, Caco-2 cells, Human intestine

- [Human T-cell leukemia virus open reading frame II encodes a posttranscriptional repressor that is recruited at the level of transcription.](#)

Younis I, Boris-Lawrie K, Green PL.

Journal of Virology 2006 Jan; 80(1):181.

Application: WB-Tr, Human, 293T, 293T-HTLV-2 proviral, 293T-Tax-2/Rex-2 cDNA cells

- [PC cell-derived growth factor confers resistance to dexamethasone and promotes tumorigenesis in human multiple myeloma.](#)

Wang W, Hayashi J, Serrero G.

Clinical Cancer Research 2006 Jan; 12(1):49.

Application: WB, Human, ARP-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](#)