Datasheet for ABIN1077746

anti-Actin, gamma 1 antibody (AA 1-375)

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Overview

Quantity:	100 µL
Target:	Actin, gamma 1 (ACTG1)
Binding Specificity:	AA 1-375
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Actin, gamma 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Gamma Actin (ACTG)
Immunogen:	Recombinant ACTg1 expressed in E.coli. The antibody is a rabbit polyclonal antibody raised against ACTg1.
Sequence:	MGHHHHHHSG SEF-MEEEIAALVI DNGSGMCKAG FAGDDAPRAV FPSIVGRPRH QGVMVGMGQK DSYVGDEAQS KRGILTLKYP IEHGIVTNWD DMEKIWHHTF YNELRVAPEE HPVLLTEAPL NPKANREKMT QIMFETFNTP AMYVAIQAVL SLYASGRTTG IVMDSGDGVT HTVPIYEGYA LPHAILRLDL AGRDLTDYLM KILTERGYSF TTTAEREIVR DIKEKLCYVA LDFEQEMATA ASSSSLEKSY ELPDGQVITI GNERFRCPEA LFQPSFLGME SCGIHETTFN SIMKCDVDIR KDLYANTVLS GGTTMYPGIA DRMQKEITAL APSTMKIKII APPERKYSVW IGGSILASLS TFQQMWISKQ EYDESGPSIV HRKCF

Product Details

Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against ACTG. It has been selected for its ability to recognize ACTG in immunohistochemical staining and western blotting.
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

Target:	Actin, gamma 1 (ACTG1)
Alternative Name:	ACTG (ACTG1 Products)
Background:	ACT, ACTB, ACTg1, DFNA20, DFNA26, deafness, autosomal dominant 20, deafness, autosomal dominant 26, Actin, cytoplasmic 2
Pathways:	Myometrial Relaxation and Contraction, Cell-Cell Junction Organization

Application Details

Application Notes:	Western blotting: 0.2-2 µg/mL,1:250-2500 Immunohistochemistry: 5-20 µg/mL,1:25-100 Immunocytochemistry: 5-20 µg/mL,1:25-100 Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

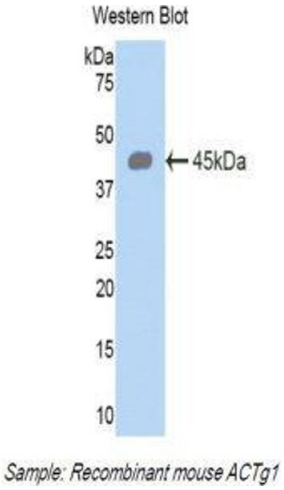
Handling

Format:	Liquid
Concentration:	500 µg/mL
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute

Handling

	azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.
Handling Advice:	Avoid repeated freeze/thaw cycles
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Images



Western Blotting

Image 1.