

Anti-Actin Picoband Antibody

Catalog # ABO12437

Specification

Anti-Actin Picoband Antibody - Product Information

Application WB, IHC-P
Primary Accession P68133
Host Rabbit

Reactivity Human, Mouse, Rat

Clonality Polyclonal Lyophilized

Description

Rabbit IgG polyclonal antibody for Actin, alpha skeletal muscle(ACTA1) detection. Tested with WB, IHC-P in Human; Mouse; Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Actin Picoband Antibody - Additional Information

Gene ID 58

Other Names

Actin, alpha skeletal muscle, Alpha-actin-1, ACTA1, ACTA

Calculated MW 42051 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Mouse, Rat, By Heat
br>
Western blot, 0.1-0.5 μ g/ml, Human, Mouse, Rat
br>

Subcellular Localization

Cytoplasm, cytoskeleton.

Protein Name

Actin, alpha skeletal muscle

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human Actin (277-308aa HETTYNSIMKCDIDIRKDLYANNVMSGGTTMY), identical to the related mouse and rat sequences.

Purification

Immunogen affinity purified.

Cross Reactivity



No cross reactivity with other proteins.

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-Actin Picoband Antibody - Protein Information

Name ACTA1

Synonyms ACTA

Function

Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.

Cellular Location

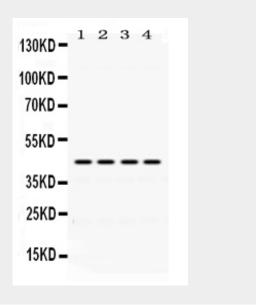
Cytoplasm, cytoskeleton.

Anti-Actin Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

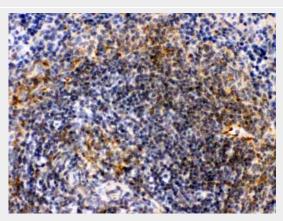
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Actin Picoband Antibody - Images

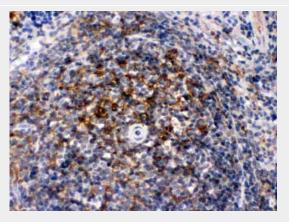




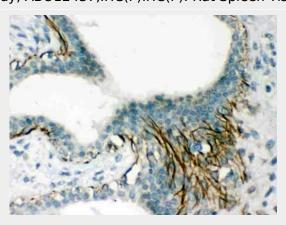
Anti- Actin Picoband antibody, ABO12437, Western blottingAll lanes: Anti Actin (ABO12437) at 0.5ug/mlLane 1: Rat Spleen Tissue Lysate at 50ugLane 2: Mouse Spleen Tissue Lysate at 50ugLane 3: HELA Whole Cell Lysate at 40ugLane 4: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 42KDObserved bind size: 42KD



Anti- Actin Picoband antibody, ABO12437,IHC(P)IHC(P): Mouse Spleen Tissue



Anti- Actin Picoband antibody, ABO12437,IHC(P)IHC(P): Rat Spleen Tissue



Anti- Actin Picoband antibody, ABO12437,IHC(P)IHC(P): Human Mammary Cancer Tissue

Anti-Actin Picoband Antibody - Background

Actin, a highly conserved protein, is a major component of both the cytoskeletal and contractile structures in the cell types. It varies in amount, being related to the type of differentiation and to the functional state of cells and tissues. The actins exhibit over 90% sequence homology, but each isoform has a unique NH2-terminal sequence. The isoforms are comprised of three alpha-actin, one beta-actin, two gamma-actin. Because the amino acid sequence of the C-terminal is the same for





almost all actins, this antibody has been raised using a synthetic peptide corresponding to the C-terminal 11 residues.