

ARG23737
anti-F-actin antibody [NH3]Package: 250 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [NH3] recognizes F-actin.
Tested Reactivity	Hu, Ms, Rat, Rb
Tested Application	ELISA, FACS, ICC/IF, IHC-Fr, IP, WB
Specificity	The clone [NH3] recognises human Filamentous actin (F-actin) and reportedly also recognizes Globular actin (G-actin). The antibody binds to the N-terminal region of actin, but not to the extreme N-terminal 40 amino acids. In tissue sections the antibody stains the cytoplasm of macrophages strongly, and gives granular, localised nuclear staining of all cell types. As this is a mouse IgM antibody, an anti-mouse IgM secondary antibody is recommended to use to detect this primary antibody.
Host	Mouse
Clonality	Monoclonal
Clone	NH3
Isotype	IgM
Target Name	F-actin
Species	Human
Immunogen	Human monocytes and U937 cell line.
Conjugation	Un-conjugated
Alternate Names	PS1TP5BP1; BRWS1; Actin, cytoplasmic 1; Beta-actin

Application Instructions

Application table	Application	Dilution
	ELISA	1:10
	FACS	1:10
	ICC/IF	1:100
	IHC-Fr	Assay-dependent
	IP	Assay-dependent
	WB	1:100 - 1:500
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

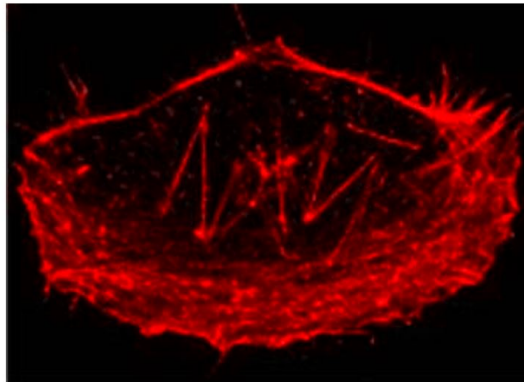
Form	Liquid
Purification	Purified.

Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ACTB
Background	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, Jul 2008]
Function	Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. [UniProt]
Highlight	Related news: Disulfidptosis markers;
Research Area	Controls and Markers antibody; Signaling Transduction antibody; Loading Control antibody; Cytochrome-C fractionation Study antibody; Inflammation Study antibody; Tag Internal Control antibody
Calculated Mw	42 kDa

Images



ARG23737 anti-F-actin antibody [NH3] ICC/IF image

Immunofluorescence: Mouse cardiac microvascular endothelial cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100/PBS and then stained with ARG23737 anti-F-actin antibody [NH3] at 1:100 dilution.