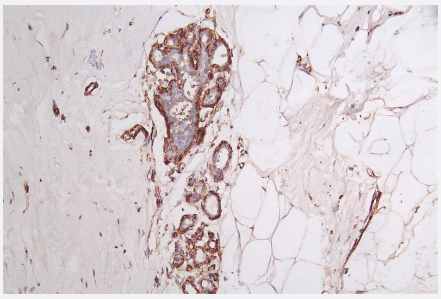
RecomAb™

ACTA1 recombinant monoclonal antibody, clone 4C1

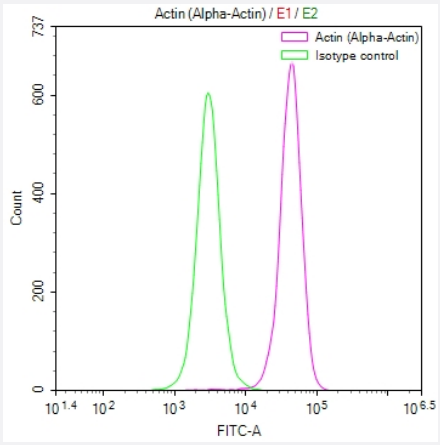
Catalog # RAB07778 Size 100 uL

Applications



Immunohistochemistry

Immunohistochemistry image of ACTA1 recombinant monoclonal antibody, clone 4C1 diluted at 1:50 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system.



Flow Cytometry

Overlay Peak curve showing A549 cells stained with ACTA1 recombinant monoclonal antibody, clone 4C1 (red line) at 1:50.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ACTA1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human ACTA1.
Reactivity	Human
Form	Liquid

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Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) Immunohistochemistry(1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry

  Immunohistochemistry image of ACTA1 recombinant monoclonal antibody, clone 4C1 diluted at 1:50 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system.

- Flow Cytometry

  Overlay Peak curve showing A549 cells stained with ACTA1 recombinant monoclonal antibody, clone 4C1 (red line) at 1:50.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ACTA1

Entrez GeneID	58
Protein Accession#	P68133
Gene Name	ACTA1
Gene Alias	ACTA, ASMA, CFTD, CFTD1, CFTDM, MPFD, NEM1, NEM2, NEM3
Gene Description	actin, alpha 1, skeletal muscle
Omim ID	102610 161800 255310
Gene Ontology	Hyperlink

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Gene Summary	The product encoded by this gene belongs to the actin family of proteins, which are highly conserved proteins that play a role in cell motility, structure and integrity. Alpha, beta and gamma actin isoforms have been identified, with alpha actins being a major constituent of the contractile apparatus, while beta and gamma actins are involved in the regulation of cell motility. This actin is an alpha actin that is found in skeletal muscle. Mutations in this gene cause nemaline myopathy type 3, congenital myopathy with excess of thin myofilaments, congenital myopathy with cores, and congenital myopathy with fiber-type disproportion, diseases that lead to muscle fiber defects. [provided by RefSeq
Other Designations	OTTHUMP00000036123|alpha skeletal muscle actin

Disease

- Acute Disease
- Alzheimer disease
- Atherosclerosis
- Calcinosis
- Coronary Artery Disease
- Diabetes Mellitus
- Myocardial Infarction
- Parkinson disease

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