

Nur für Forschungszwecke

Beta Actin Monoklonaler Antikörper



Katalog-Nr.:CL555-66009

Vorgestelltes Produkt

Allgemeine Informationen

Katalog-Nr.: CL555-66009	GenBank-Zugangsnummer: NM_001101	Reinigungsmethode: Protein-A-Reinigung
Größe: 100ul , Konzentration: 1000 µg/ml von60 Nanodrop;	GeneID (NCBI): actin, beta	CloneNo.: 2D4H5
Wirt: Maus	Vollständiger Name: actin, beta	Empfohlene Verdünnungen: IF 1:50-1:500
Isotyp: IgG2b	Berechnete Masse: 42 kDa	Anregungs-/Emissionsmaxima- Wellenlängen: 557 nm / 570nm
	Beobachtete Masse: 42 kDa	

Anwendungen

Geprüfte Anwendungen: FC (Intra), IF	Positivkontrollen: IF : A549-Zellen,
Getestete Reaktivität: Affe, Hamster, Human, Hund, Maus, Ratte, Zebrafisch	

Hintergrundinformationen

Actins are highly conserved globular proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. At least six isoforms of actins are known in mammals and other vertebrates: alpha (ACTC1, cardiac muscle 1), alpha 1 (ACTA1, skeletal muscle) and 2 (ACTA2, aortic smooth muscle), beta (ACTB), gamma 1 (ACTG1) and 2 (ACTG2, enteric smooth muscle). Beta and gamma 1 are two non-muscle actin proteins. Most actins consist of 376aa, while ACTG2 (rich in muscles) has 375aa and ACTG1(found in non-muscle cells) has only 374aa. Beta actin has been widely used as the internal control in RT-PCR and Western Blotting as a 42-kDa protein. However, the 41 kDa cleaved fragment of beta actin can be generated during apoptosis process.This antibody can recognize all the actins. The isotype of this antibody is IgG2b. For murine tissue sample, conjugated antibody (HRP-66009) or rabbit antibody (20536-1-AP) is preferable.

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Vor Licht schützen.
Lagerungspuffer:
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

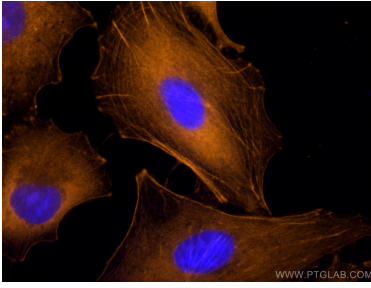
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

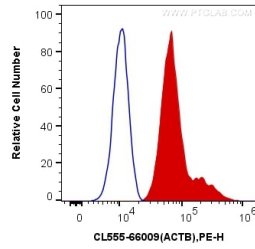
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Ausgewählte Validierungsdaten



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using Coralite@555 Beta Actin antibody (CL555-66009, Clone: 2D4H5) at dilution of 1:100.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Coralite@555 Anti-Human Beta Actin (CL555-66009, Clone:2D4H5) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).