

Nur für Forschungszwecke

Beta Actin Monoklonaler Antikörper



Katalog-Nr.:CL488-66009

3 Publikationen

Allgemeine Informationen

Katalog-Nr.: CL488-66009	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: WB 1:2000-1:10000 IF 1:50-1:500
Isotyp: IgG2b	Berechnete Masse: 42 kDa	Anregungs-/Emissionsmaxima- Wellenlängen: 493 nm / 522 nm

Anwendungen

Geprüfte Anwendungen: FC (Intra), IF, WB	Positivkontrollen: WB : HepG2-Zellen, HEK-293-Zellen, HeLa-Zellen IF : MDCK-Zellen, U2OS-Zellen
In Publikationen genannte Anwendungen: IF, WB	
Getestete Reaktivität: Affe, Hamster, Human, Maus, Ratte, Zebrafisch	
Zitierte Arten: Human, Maus, Ratte	

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. And the antibody is CL488 (Ex/Em 488 nm/515 nm) conjugated.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Xueli Yu	36106568	Br J Pharmacol	WB
Junqi Fu	36133745	Mediators Inflamm	WB
Chui-Wei Wong	35876189	Nanoscale	IF

Lagerung

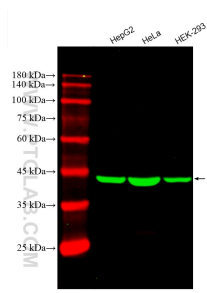
Lagerungsbedingungen:
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.
Lagerungspuffer:
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

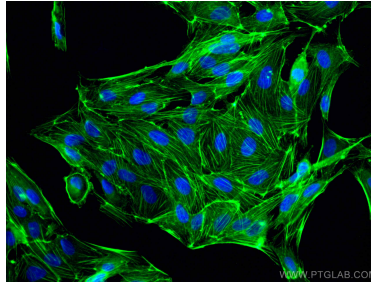
For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
W: ptglab.com

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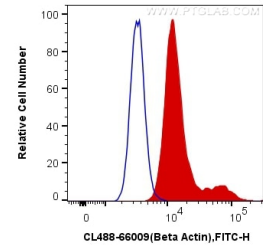
Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with CL488-66009 (Beta Actin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed MDCK cells using CoraLite® Plus 488 Beta Actin antibody (CL488-66009, Clone: 2D4H5) at dilution of 1:200.



1×10^6 HeLa cells were intracellularly stained with 0.8 μ g CoraLite® Plus 488 Anti-Human Beta Actin (CL488-66009, Clone:2D4H5) (red), or 0.8 μ g Mouse IgG2b Isotype Control (CL488-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).