

Allgemeine Informationen

Katalog-Nr.: Biotin-60008	GenBank-Zugangsnummer: BC002409	Reinigungsmethode: Caprylsäure/Ammoniumsulfat-Präzipitation
Größe: 100ul, Konzentration: 1000 µg/ml von60 Nanodrop;	GeneID (NCBI): actin, beta	CloneNo.: 7D2C10
Wirt: Maus	Vollständiger Name: actin, beta	Empfohlene Verdünnungen: IHC 1:50-1:500
Isotyp: IgM	Berechnete Masse: 375 aa, 42 kDa	
Immunogen Katalognummer: AG0297	Beobachtete Masse: 42 kDa	

Anwendungen

Geprüfte Anwendungen: IHC	Positivkontrollen: IHC : Mausherzgewebe,
In Publikationen genannte Anwendungen: WB	
Getestete Reaktivität: Hausschwein, Human, Maus, Pflanze, Ratte, Zebrafisch	
Zitierte Arten: Human	
Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.	

Hintergrundinformationen

Beta actin, also named as ACTB and F-Actin, belongs to the actin family. 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 37-40 kDa cleaved fragment of beta actin can be generated during apoptosis process. This antibody can recognize all the actins.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Gaojian Zhang	35372814	iScience	WB

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**

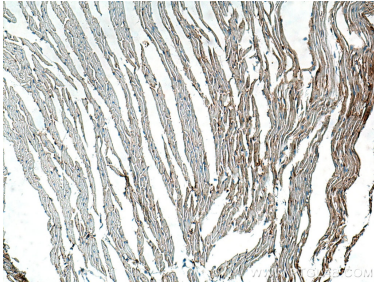
For technical support and original validation data for this product please contact:

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

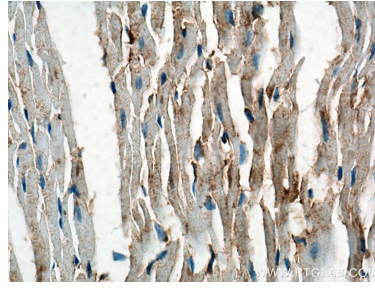
E: proteintech@ptglab.com
W: ptglab.com

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

Ausgewählte Validierungsdaten



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using Biotin-60008 (beta Actin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using Biotin-60008 (beta Actin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).