

Allgemeine Informationen

Katalog-Nr.: HRP-60008	GenBank-Zugangsnummer: BC002409	Reinigungsmethode: Caprylsäure/Ammoniumsulfat-Präzipitation
Größe: 100ul , Konzentration: 1000 µg/ml von60 Nanodrop;	GeneID (NCBI): Vollständiger Name:	CloneNo.: 7D2C10
Wirt: Maus	Berechnete Masse: 375 aa, 42 kDa	Empfohlene Verdünnungen: WB 1:2000-1:16000
Isotyp: IgM	Beobachtete Masse: 42 kDa	

Anwendungen

Geprüfte Anwendungen: WB	Positivkontrollen: WB : HeLa-Zellen,
In Publikationen genannte Anwendungen: ELISA, IF, WB	
Getestete Reaktivität: Human, Maus, Pflanze, Ratte, Zebrafisch	
Zitierte Arten: Affe, Hamster, Huhn, Human, Hund, Maus, Ratte	

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. This antibody can recognize all of actins. This antibody is conjugated with HRP.

Note: Do not add Azium (Sodium Azide or Smite) into the dilution buffer. Azium is the HRP inhibitor which decreases the enzymatic activity of HRP.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Hong-Tao Li	33093917	Oncol Lett	WB
Guoqing Jing	36171629	J Neuroinflammation	WB
Lara Kämmerer	32542311	Blood	WB

Lagerung

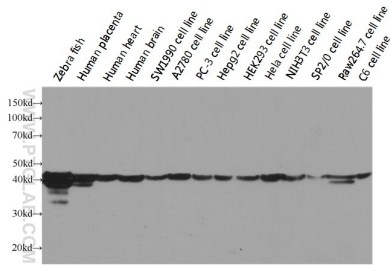
Lagerungsbedingungen:
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.
Lagerungspuffer:
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

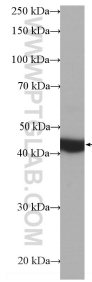
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
 W: ptglab.com

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

Ausgewählte Validierungsdaten



Western blot analysis of beta actin in various tissues and cell lines using Proteintech antibody HRP-60008 at a dilution of 1:5000.



HeLa cells were subjected to SDS PAGE followed by western blot with HRP-60008 (beta Actin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.