

À des fins de recherche uniquement

# Anticorps Monoclonal anti-Beta Actin



Numéro de catalogue: HRP-60008

287 Publications

## Informations de base

Numéro de catalogue:

HRP-60008

Numéro d'acquisition GenBank:

BC002409

Méthode de purification:

Précipitation de l'acide caprylique/du sulfate d'ammonium

Taille:

100ul, Concentration: 1000 µg/ml by 60

Identification du gène (NCBI):

60

CloneNo.:

7D2C10

Nanodrop;

Nom complet:

actin, beta

Dilutions recommandées:

WB 1:2000-1:16000

Hôte:

Mouse

MW calculé

375 aa, 42 kDa

MW observés:

42 kDa

Isotype:

IgM

## Applications

Applications testées:

WB

Contrôles positifs:

WB : cellules HeLa,

Demandes citées:

ELISA, IF, WB

Spécificité de l'espèce:

Humain, plante, poisson-zèbre, rat, souris

Espèces citées:

canin, Humain, porc, poulet, rat, singe, souris, Hamster

## Informations générales

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.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Hong-Tao Li	33093917	Oncol Lett	WB
Guoqing Jing	36171629	J Neuroinflammation	WB
Hao-Yuan Li	36290610	Antioxiants (Basel)	WB

## Stockage

Stockage:

Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

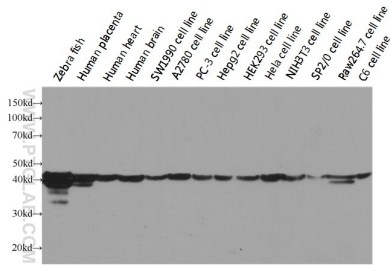
For technical support and original validation data for this product please contact:

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

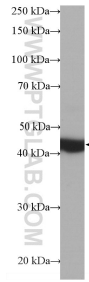
E: proteintech@ptglab.com  
W: ptglab.com

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

## Données de validation sélectionnées



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.