

À des fins de recherche uniquement

Anticorps Monoclonal anti-CA3

Numéro de catalogue: 66608-1-Ig



Informations de base

Numéro de catalogue: 66608-1-Ig	Numéro d'acquisition GenBank: BC004897	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 1600 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 761	CloneNo.: 3C10A2
Hôte: Mouse	Nom complet: carbonic anhydrase III, muscle specific	Dilutions recommandées: WB 1:20000-1:100000 IHC 1:500-1:2000
Isotype: IgG2b	MW calculé: 29 kDa	
Immunogen Catalog Number: AG7513	MW observés: 29 kDa	

Applications

Applications testées:

IHC, WB, ELISA

Spécificité de l'espèce:

Humain, porc, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB: tissu de muscle squelettique de porc, tissu de muscle squelettique de rat, tissu de muscle squelettique de souris

IHC: tissu de muscle squelettique de souris,

Informations générales

Carbonic anhydrase III (CA3), which belongs to the alpha-carbonic anhydrase family, is a cytoplasmic enzyme that exhibits a relatively low carbon dioxide hydratase activity. It is expressed at a very high level in skeletal muscle, where physical exercise has been shown to increase free radical production. In addition to its carbon dioxide hydratase activity, CA3 has been demonstrated to have a carboxyl esterase activity and phosphatase activity, which suggests that it is a tyrosine phosphatase (PMID: 10064618). CA3 was found to be localized in Type-I muscle fibers and could be used as a marker for abnormal Type-I muscle fibers in several neuromuscular diseases (PMID: 6221502).

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

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

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

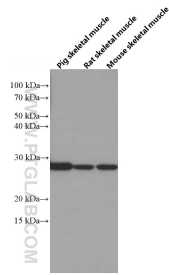
For technical support and original validation data for this product please contact:

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

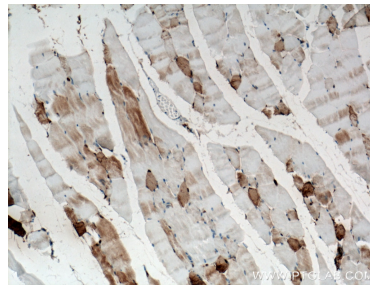
E: proteintech@ptglab.com
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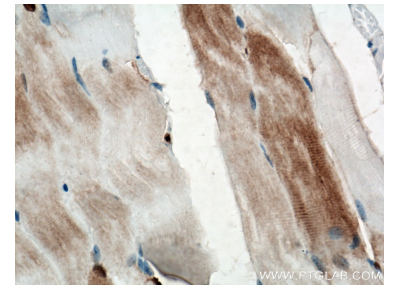
Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 66608-1-Ig (CA3 antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 66608-1-Ig (CA3 antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 66608-1-Ig (CA3 antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).