

Allgemeine Informationen

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| Katalog-Nr.: 66608-1-Ig | GenBank-Zugangsnummer: BC004897 | Reinigungsmethode: Protein-A-Reinigung |
| Größe: 150ul , Konzentration: 1600 µg/ml von761 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard; | GeneID (NCBI): Vollständiger Name: carbonic anhydrase III, muscle specific | CloneNo.: 3C10A2 |
| Wirt: Maus | Berechnete Masse: 29 kDa | Empfohlene Verdünnungen: WB 1:20000-1:100000 IHC 1:500-1:2000 |
| Isotyp: IgG2b | Beobachtete Masse: 29 kDa | |
| Immunogen Katalognummer: AG7513 | | |

Anwendungen

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| Geprüfte Anwendungen: IHC, WB,ELISA | Positivkontrollen: |
| Getestete Reaktivität: Hausschwein, Human, Maus, Ratte | WB : Hausschwein-Skelettmuskelgewebe, Maus- Skelettmuskelgewebe, Ratten-Skelettmuskelgewebe |
| Hinweis-IHC: Antigendemaskierung mit TE- Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen. | IHC : Maus-Skelettmuskelgewebe, |

Hintergrundinformationen

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).

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

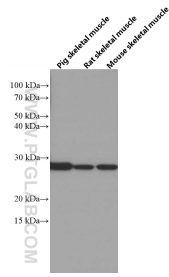
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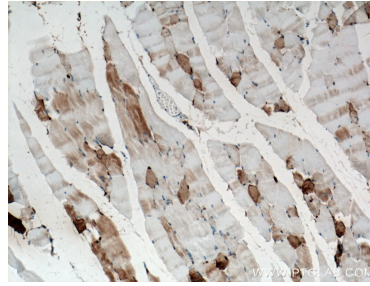
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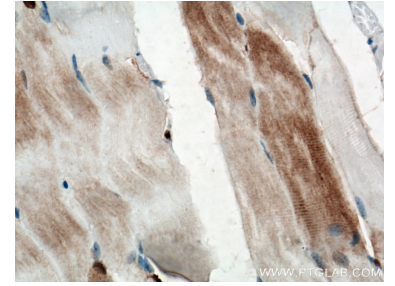
Ausgewählte Validierungsdaten



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).