

Anti-Calsequestrin 2 antibody [EPR4228] ab108381

リコンビナント **RabMAb**

画像数 11

製品の概要

製品名	Anti-Calsequestrin 2 antibody [EPR4228]
製品の詳細	Rabbit monoclonal [EPR4228] to Calsequestrin 2
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P
種交差性	交差種: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	Human heart and Human skeletal muscle lysates, Human cardiac muscles and Human skeletal muscles tissues
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. Stable for 12 months at -20°C.
バッファー	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS, 0.05% BSA</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名	EPR4228
アイソタイプ	IgG

アプリケーション

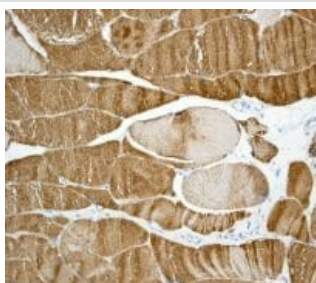
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab108381の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Detects a band of approximately 55 kDa (predicted molecular weight: 46 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See <u>IHC antigen retrieval protocols</u> .

ターゲット情報

機能	Calsequestrin is a high-capacity, moderate affinity, calcium-binding protein and thus acts as an internal calcium store in muscle. The release of calcium bound to calsequestrin through a calcium release channel triggers muscle contraction. Binds 40 to 50 moles of calcium.
関連疾患	Defects in CASQ2 are the cause of catecholaminergic polymorphic ventricular tachycardia type 2 (CPVT2) [MIM:611938]; also known as stress-induced polymorphic ventricular tachycardia (VTSIP). CPVT2 is an autosomal recessive form of arrhythmogenic disorder characterized by stress-induced, bidirectional ventricular tachycardia that may degenerate into cardiac arrest and cause sudden death.
配列類似性	Belongs to the calsequestrin family.
細胞内局在	Sarcoplasmic reticulum lumen. This isoform of calsequestrin occurs in the sarcoplasmic reticulum's terminal cisternae luminal spaces of cardiac and slow skeletal muscle cells.

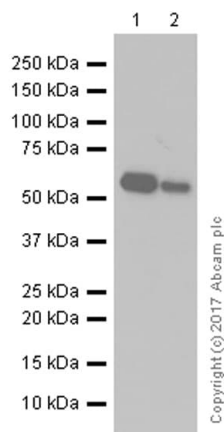
画像



Immunohistochemical analysis of paraffin-embedded Human skeletal muscles using unpurified ab108381 at a dilution of 1/100.

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calsequestrin 2 antibody [EPR4228] (ab108381)



Western blot - Anti-Calsequestrin 2 antibody
[EPR4228] (ab108381)

All lanes : Anti-Calsequestrin 2 antibody [EPR4228] (ab108381) at 1/10000 dilution (purified)

Lane 1 : Human fetal heart lysates

Lane 2 : Human skeletal muscle lysates

Lysates/proteins at 20 µg per lane.

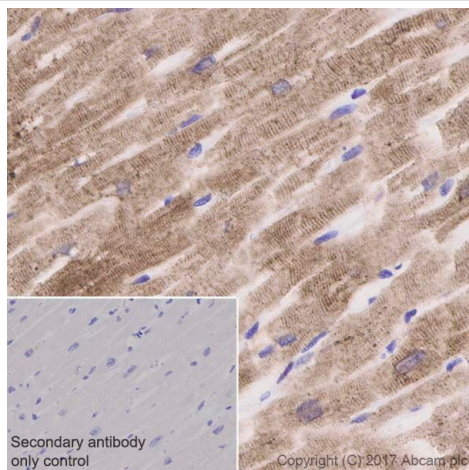
Secondary

All lanes : Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/2000 dilution

Predicted band size: 46 kDa

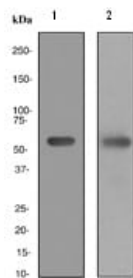
Observed band size: 55 kDa

Blocking and diluting buffer: 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calsequestrin 2 antibody
[EPR4228] (ab108381)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human cardiac muscle tissue sections labeling Calsequestrin 2 with Purified ab108381 at 1:250 dilution (0.5 µg/ml). Heat mediated antigen retrieval was performed using EDTA Buffer, pH9.0. Tissue was counterstained with Hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.



Western blot - Anti-Calsequestrin 2 antibody
[EPR4228] (ab108381)

All lanes : Anti-Calsequestrin 2 antibody [EPR4228] (ab108381) at
1/1000 dilution (unpurified)

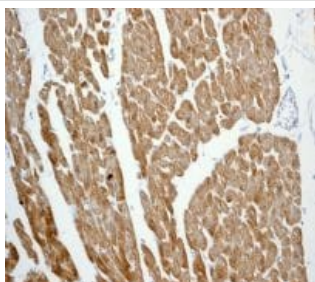
Lane 1 : Human heart lysate

Lane 2 : Human skeletal muscle lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 46 kDa

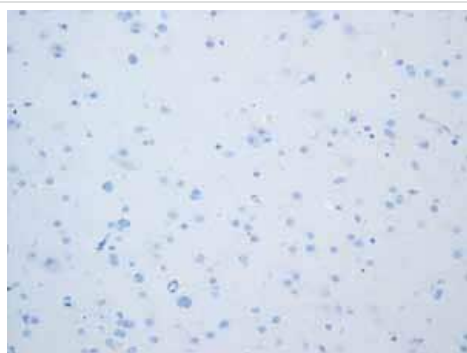
Observed band size: 55 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-Calsequestrin 2 antibody
[EPR4228] (ab108381)

Immunohistochemical analysis of paraffin-embedded Human
cardiac muscles using unpurified ab108381 at a dilution of 1/100.

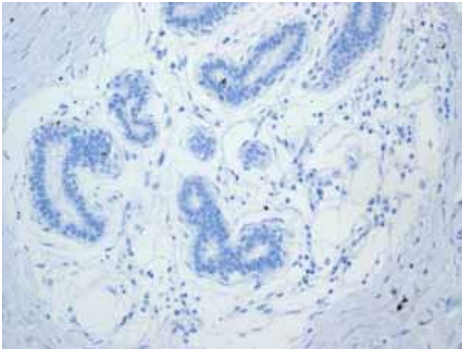
Heat mediated antigen retrieval was performed before
commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-Calsequestrin 2 antibody
[EPR4228] (ab108381)

Unpurified ab108381 showing negative staining in Normal brain
tissue.

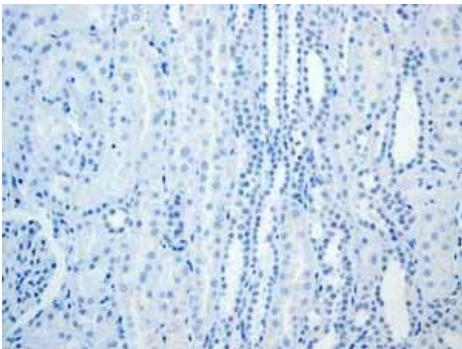
Heat mediated antigen retrieval was performed before
commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calsequestrin 2 antibody [EPR4228] (ab108381)

Unpurified ab108381 showing negative staining in Normal breast tissue.

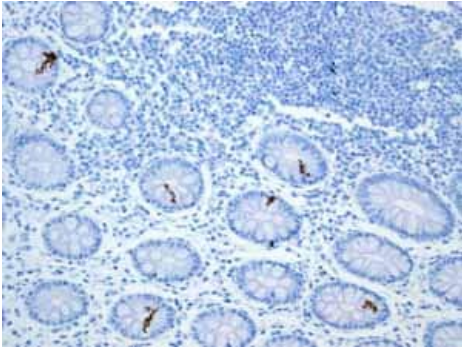
Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calsequestrin 2 antibody [EPR4228] (ab108381)

Unpurified ab108381 showing negative staining in Normal kidney tissue.

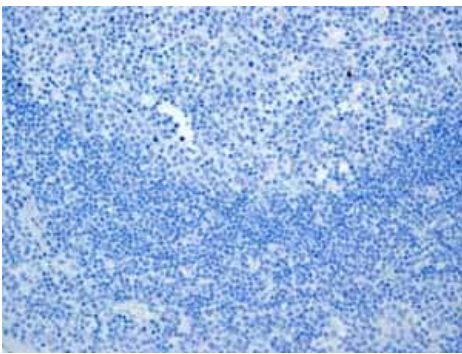
Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



Unpurified ab108381 showing negative staining in Normal colon tissue.

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calsequestrin 2 antibody [EPR4228] (ab108381)



Unpurified ab108381 showing negative staining in Normal tonsil tissue.

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calsequestrin 2 antibody [EPR4228] (ab108381)

Why choose a recombinant antibody?



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Anti-Calsequestrin 2 antibody [EPR4228] (ab108381)

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