



Datasheet for ABIN7146581  
**anti-Calsequestrin antibody (AA 127-396)**



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3 Images

### Overview

Quantity:	100 µg
Target:	Calsequestrin (CASQ1)
Binding Specificity:	AA 127-396
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

### Product Details

Immunogen:	Recombinant Human Calsequestrin-1 protein (127-396AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

### Target Details

Target:	Calsequestrin (CASQ1)
Alternative Name:	CASQ1 ( <a href="#">CASQ1 Products</a> )
Background:	Background: Calsequestrin is a high-capacity, moderate affinity, calcium-binding protein and thus acts as an internal calcium store in muscle. Calcium ions are bound by clusters of acidic residues at the protein surface, often at the interface between subunits. Can bind around 80 Ca(2+) ions. Regulates the release of luminal Ca(2+) via the calcium release channel RYR1, this

## Target Details

plays an important role in triggering muscle contraction.

Aliases: Calmitin antibody, Calmitine antibody, Calsequestrin 1 (fast twitch, skeletal muscle) antibody, Calsequestrin antibody, Calsequestrin, cell antibody, Calsequestrin, skeletal muscle isoform antibody, Calsequestrin-1 antibody, CASQ antibody, Casq1 antibody, CASQ1\_HUMAN antibody, PDIB1 antibody, skeletal muscle isoform antibody

UniProt: [P31415](#)

## Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

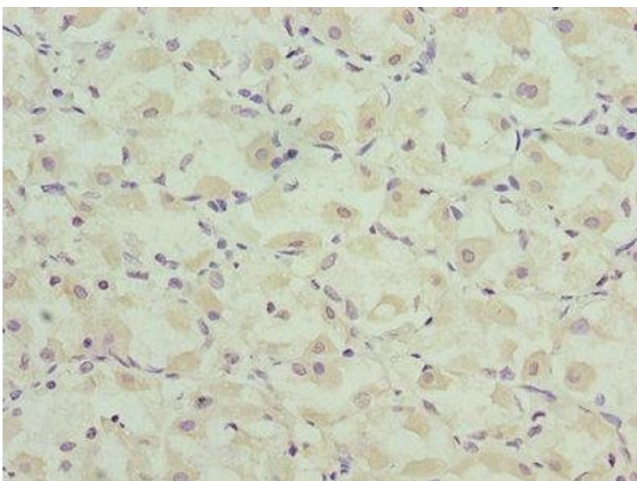
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human gastric cancer using ABIN7146581 at dilution of 1:100



### Western Blotting

**Image 2.** Western blot All lanes: CASQ1 antibody at 5 µg/mL + Mouse brain tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 46 kDa Observed band size: 46 kDa



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human skeletal muscle tissue using ABIN7146581 at dilution of 1:100