

Product datasheet

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ARG40359 anti-Calpain 2 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes Calpain 2

Tested Reactivity Hu, Ms, Rat

Tested Application WB

Specificity The antibody is designed to react with Calpain 2 isoform 1 but not isoform 2.

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name Calpain 2
Species Human

Immunogen KLH-conjugated synthetic peptide between aa. 10-43 of Human Calpain 2.

Conjugation Un-conjugated

Alternate Names CANP2; Calpain-2 large subunit; Calpain-2 catalytic subunit; EC 3.4.22.53; Millimolar-calpain; M-calpain;

mCANP; Calpain large polypeptide L2; Calpain M-type; CANP 2; CANPL2; CANPMI; Calcium-activated

neutral proteinase 2

Application Instructions

Application table	Application	Dilution
	WB	1:1000 - 1:8000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	A431	

Properties

Form Liquid

Purification Purification with Protein A and immunogen peptide.

Buffer PBS and 0.09% (W/V) Sodium azide.

Preservative 0.09% (W/V) Sodium azide.

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol CAPN2

Gene Full Name calpain 2, (m/II) large subunit

Background The calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases.

The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. This gene encodes the large subunit of the ubiquitous enzyme, calpain 2. Multiple heterogeneous transcriptional start sites in the 5' UTR have been reported. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar

2009]

Function Calcium-regulated non-lysosomal thiol-protease which catalyze limited proteolysis of substrates

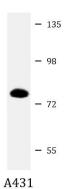
involved in cytoskeletal remodeling and signal transduction. Proteolytically cleaves MYOC at 'Arg-226'.

[UniProt]

Calculated Mw 80 kDa

Cellular Localization Cytoplasm. Cell membrane. Note=Translocates to the plasma membrane upon Ca(2+) binding. [UniProt]

Images



ARG40359 anti-Calpain 2 antibody WB image

Western blot: 20 μg of A431 whole cell lysate stained with ARG40359 anti-Calpain 2 antibody at 1:8000 dilution.