

Rabbit Anti-Porcine Calpain-2 Catalytic Subunit (CAPN2) Polyclonal Antibody-[FITC]

Cat. No.: VD11N629

Product Type: Animal-targeted Antibodies

Size: 100 µg; 200 µg; 1 mg

Product Overview

BioVenic rabbit polyclonal antibody is specific for porcine calpain-2 catalytic subunit. It is affinity purified by protein G. It can be applied to ELISA assay of porcine calpain-2 catalytic subunit.

Specifications

Application	ELISA
Clonality	Polyclonal
Classification	Primary Antibody
Clone	J6N10
Host	Rabbit
Target Species	Porcine
Species Reactivity	Porcine
Specificity	Porcine Calpain-2 Catalytic Subunit
Isotype	IgG
Immunogen	Recombinant protein of calpain-2 catalytic subunit
Purification	Protein G Purified
Purity	> 95%
Conjugation	FITC
Preservative and Stabilizer	0.03% Proclin 300
Buffer	0.01M Phosphate Buffered Saline, pH 7.4, 50% Glycerol
Physical State	Liquid

Target Information

Porcine calpain-2 catalytic subunit is a key component of the calpain protease system, playing a significant role in various cellular processes. It is a calcium-dependent cysteine protease that is involved in the regulation of cell signaling, cytoskeletal dynamics, and

protein degradation. Calpain-2 is particularly important in modulating neuronal function and has been implicated in acute neuronal injury and neurodegeneration. The enzyme's activity is tightly regulated by calcium levels and is involved in the cleavage of multiple substrates, including transcription factors and cytoskeletal proteins, which can influence cell survival and function.

Target	Porcine Calpain-2 Catalytic Subunit
Target Synonym	CAPN2; Calcium-activated neutral proteinase 2; CANP 2; Calpain M-type; Calpain-2 large subunit; Millimolar-calpain; M-calpain
Gene ID	397393
UniProt ID	P43367

Shipping and Storage

This product is shipped with wet ice packs. Store at -20°C on receipt (up to 12 months). Avoid repeated freezing and thawing as this may denature the antibody.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.