CAPN1 Antibody

Catalog No: #31038

Package Size: #31038-1 50ul #31038-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	CAPN1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total CAPN1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 543-713 amino acids of Human Calpain-1 catalytic subunit
Target Name	CAPN1
Other Names	Calpain-1 catalytic subunit, CANP, muCL, CANP1, CANPL1, muCANP
Accession No.	Genbank No.: BC017200
Formulation	Supplied at 0.9mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.3, 0.05% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

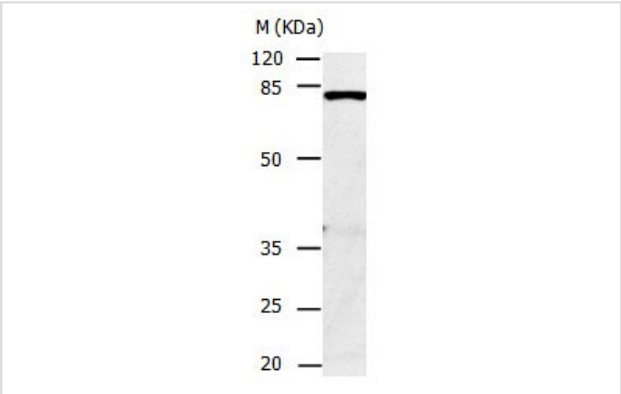
Application Details

Predicted MW: 82kd

ELISA: 1:1000-1:5000

Western blotting: 1:200-1:1000

Images



Gel: 10%SDS-PAGE
Lysate: 30 µg 293T cell lysate
Primary antibody: 1/450 dilution
Secondary antibody: Donkey anti Rabbit IgG - H&L (HRP) at 1/3000 dilution
Exposure time: 1 minute

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 1. Several transcript variants encoding two different isoforms have been found for this gene.

Published Papers

el at., TAT?fused IP3R?derived peptide enhances cisplatin sensitivity of ovarian cancer cells by increasing ER Ca2+ release.In Int J Mol Med. On 2018 Feb by Xie Q, Xu Y et al..PMID: 29207009, , (2018)

PMID:29207009

el at., Bcl-2 overexpression reduces cisplatin cytotoxicity by decreasing ER-mitochondrial Ca2+ signaling in SKOV3 cells.In Oncol Rep.On 2018 Mar by Xu L, Xie Q et al..PMID:29286126, , (2018)

PMID:29286126

Note: This product is for in vitro research use only and is not intended for use in humans or animals.