Product Datasheet

CASP3 Antibody

Catalog No: #31010

Package Size: #31010-1 50ul #31010-2 100ul

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

Description

Product Name	CASP3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total CASP3 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 1-269 amino acids of human caspase 3, apoptosis-related cysteine peptidase
Target Name	CASP3
Other Names	caspase 3, apoptosis-related cysteine peptidase, CPP32, SCA-1, CPP32B
Accession No.	Swiss-Prot:P42574Gene ID:836;
Uniprot	P42574
GeneID	836;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C/1 year

Application Details

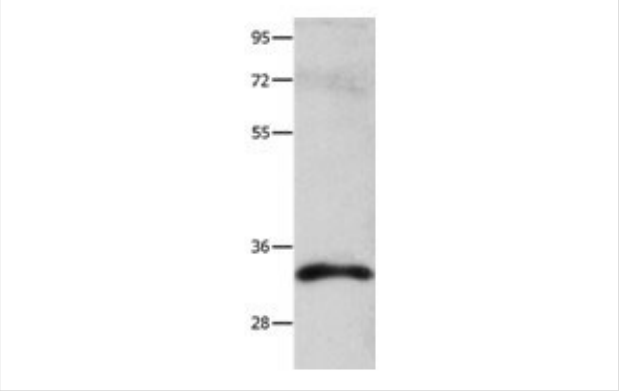
Predicted MW: 32kd

ELISA: 1:1000-1:5000

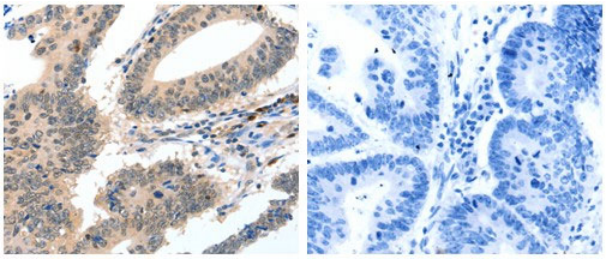
Western blotting: 1:200-1:1000

Immunohistochemistry: 1:15-1:50

Images



Gel: 12%SDS-PAGE
Lysate: 40 µg K562 cell lysate
Primary antibody: 1/200 dilution
Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution
Exposure time: 10 seconds



The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using 31010 (CASP3 Antibody) at dilution 1/20, on the right is treated with the fusion protein.

Background

This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 6, 7 and 9, and the protein itself is processed by caspases 8, 9 and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease. Alternative splicing of this gene results in two transcript variants that encode the same protein.

Note: This product is for in vitro research use only