

CASP3 (active) Antibody

Catalog No: #36719

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Description

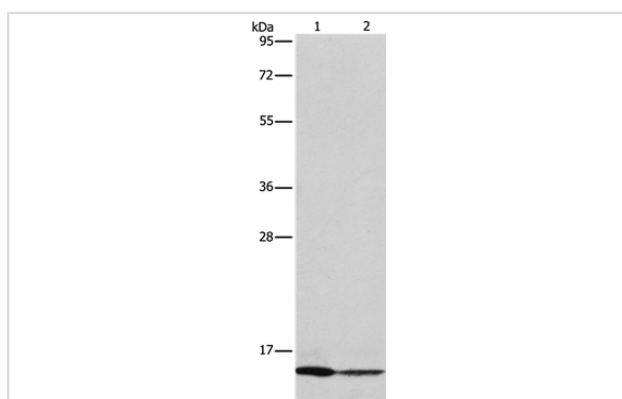
Product Name	CASP3 (active) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total CASP3 (active) protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to residues near the C terminal of human caspase 3, apoptosis-related cysteine peptidase
Target Name	CASP3 (active)
Other Names	CPP32; SCA-1; CPP32B
Accession No.	Swiss-Prot#: P42574NCBI Gene ID: 836Gene Accssion: NP_116786
Uniprot	P42574
GeneID	836;
SDS-PAGE MW	17kd
Concentration	1mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:200-1:1000

Immunohistochemistry: 1:25-1:100

Images



Gel: 12%SDS-PAGE

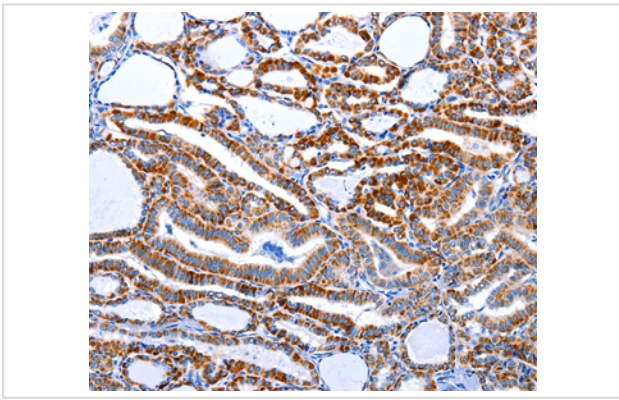
Lysates (from left to right): Jurkat and MCF7 cell

Amount of lysate: 40ug per lane

Primary antibody: 1/120 dilution

Secondary antibody dilution: 1/8000

Exposure time: 20 seconds



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #36719 at dilution 1/15.

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