

## Caspase-6 Antibody

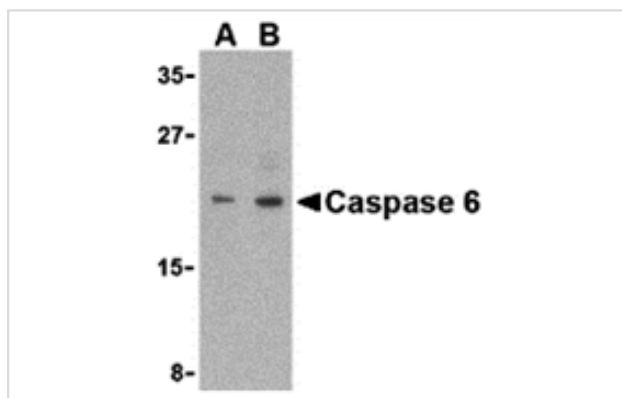
Catalog No: #24294

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

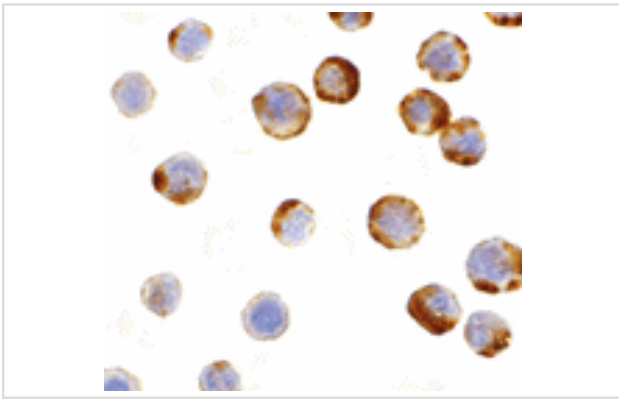
## Description

Product Name	Caspase-6 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	immunoaffinity purified
Applications	ELISA WB ICC
Species Reactivity	Hu
Specificity	Depending on cell lines or tissues used, either full-length or other cleavage products may be observed.
Immunogen Type	Peptide
Immunogen Description	Raised against a 15 amino acid peptide from near the center of human Caspase-6.
Target Name	Caspase-6
Other Names	Mch2
Accession No.	Swiss-Prot:P55212Gene ID:839
Uniprot	P55212
GeneID	839;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

## Images



Western blot analysis of Caspase-6 in MCF7 cell lysate with Caspase-6 antibody (IN) at (A) 1 and (B) 2 ug/mL.



Immunocytochemistry of caspase-6 in MCF7 with caspase-6 antibody at 1 ug/mL.

## Background

Caspases are a family of cysteine proteases that can be divided into the apoptotic and inflammatory caspase subfamilies. Unlike the apoptotic caspases, members of the inflammatory subfamily are generally not involved in cell death but are associated with the immune response to microbial pathogens. The apoptotic subfamily can be further divided into initiator caspases, which are activated in response to death signals, and executioner caspases, which are activated by the initiator caspases and are responsible for cleavage of cellular substrates that ultimately lead to cell death. Caspase-6 is an executioner caspase that was identified based on its homology with human caspases 2 and 3 as well as the *C. elegans* cell death protein CED-3. It possesses two isoforms, of which only the longer form possesses protease activity. Caspase-6 is highly expressed in adult brain and may play a role in several neuronal pathologies.

Note: This product is for in vitro research use only