

NADE Antibody

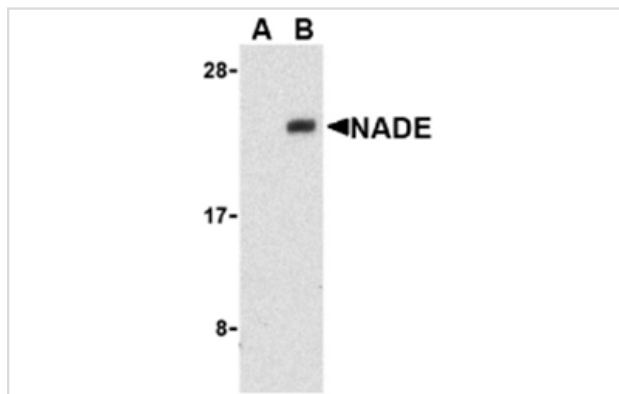
Catalog No: #24254

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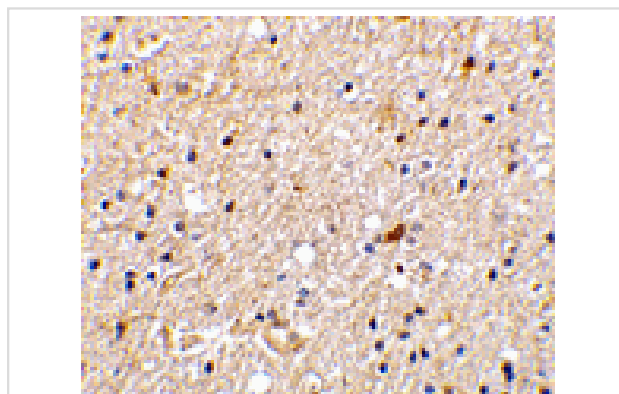
Description

Product Name	NADE Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Ion exchange chromatography purified
Applications	E WB IHC
Species Reactivity	Hu Ms
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to 14 amino acids near the middle of human NADE.
Target Name	NADE
Accession No.	NP_996798
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 NADE in Human brain cell lysates with NADE antibody at 1 ug/mL in the presence (A) or absence (B) of blocking peptide.



Immunohistochemistry of NADE in human brain tissue with NADE antibody at 2 ug/mL.

Background

The p75 neurotrophin receptor (p75NTR) is a member of the tumor necrosis receptor superfamily and can mediate cell death and cell survival in response to nerve growth factor (NGF). The p75NTR-associated cell death executor (NADE) mediates apoptosis by interacting with the cell death

domain of p75NTR following the binding of NGF by p75NTR. Recent studies have shown that NADE also interacts with second mitochondria-derived activator of caspase (Smac). Co-expression of NADE and Smac promotes TRAIL-induced apoptosis and inhibits XIAP-mediated Smac ubiquitization. It has been suggested that it is this interaction between NADE and Smac that allows apoptosis to proceed. Finally, although initially discovered as an mRNA expressed in ovarian granulosa cells, NADE has been suggested to play a role in the neuronal death seen in epileptic brain damage.

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