Datasheet for ABIN500304

anti-Nerve Growth Factor Receptor (TNFRSF16) Associated Protein 1 (NGFRAP1) (Middle Region) antibody

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2 Images

Overview

Quantity:	0.1 mg
Target:	Nerve Growth Factor Receptor (TNFRSF16) Associated Protein 1 (NGFRAP1)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	NADE antibody was raised against a peptide corresponding to 14 amino acids near the middle of human NADE.
Isotype:	IgG
Specificity:	This antibody detects NADE / BEX3.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse
Purification:	Ion exchange chromatography

Target Details

Target:	Nerve Growth Factor Receptor (TNFRSF16) Associated Protein 1 (NGFRAP1)

Target Details

Alternative Name:	NADE / BEX3 (NGFRAP1 Products)
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) (1 for review). 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 (2). 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 (5). Finally, although initially discovered as an mRNA expressed in ovarian granulosa cells (3), NADE has been suggested to play a role in the neuronal death seen in epileptic brain damage (4).Synonyms: Brain-expressed X-linked protein 3, DXS6984E, NGFRAP1, p75NTR-associated cell death executor
Gene ID:	27018
NCBI Accession:	NP_996798
UniProt:	Q00994
Pathways:	Neurotrophin Signaling Pathway, Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	ELISA. Western blot: 0.5 to 2 µg/mL. Despite its predicted molecular weight, NADE migrates at approx. 23 kDa in SDS-PAGE. Immunohistochemistry on paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

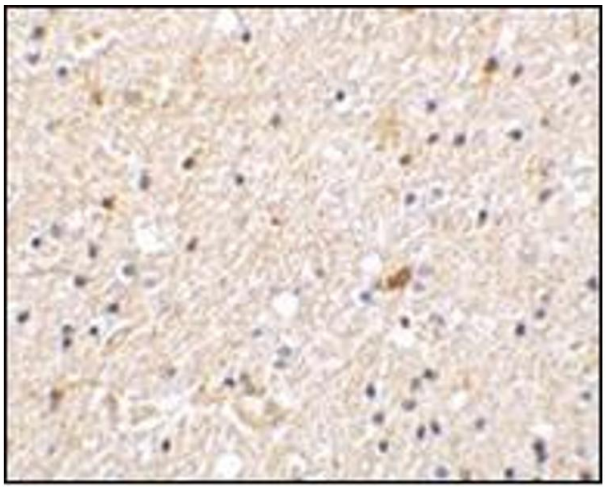
Handling

Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.

Handling

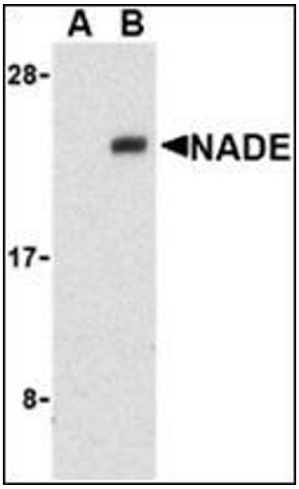
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of NADE in human brain tissue with this product at 2 µg/ml.



Western Blotting

Image 2. Western blot analysis of NADE in Human brain cell lysates with this product at 1 µg/ml in the presence (A) or absence (B) of blocking peptide.