

Product datasheet for **TA306179**

NADE (BEX3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	NADE antibody can be used for detection of NADE by Western blot at 1 µg/mL. Despite its predicted molecular weight, NADE migrates at ~23 kDa in SDS-PAGE. Antibody can also be used for immunohistochemistry starting at 2 µg/mL. Antibody validated: Western Blot in human samples and Immunohistochemistry in human samples. All other applications and species not yet tested.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	NADE antibody was raised against a peptide corresponding to 14 amino acids near the middle of human NADE.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	NADE Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	brain expressed X-linked 3
Database Link:	NP_996798 Entrez Gene 27018 Human Q00994



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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:

Bex; DXS6984E; HGR74; NADE; NGFRAP1