

Datasheet for ABIN704473

anti-NEDD8 antibody (AA 31-81) (Biotin)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	NEDD8
Binding Specificity:	AA 31-81
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NEDD8 antibody is conjugated to Biotin
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NEDD8
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Cow, Pig
Purification:	Purified by Protein A.

Target Details

Target:	NEDD8
Alternative Name:	NEDD8 (NEDD8 Products)
Background:	Synonyms: NED8, NEDD 8, Neddylin, Neural precursor cell expressed developmentally down

Target Details

regulated 8, Neural precursor cell expressed developmentally down regulated gene 8, Rub1, Ubiquitin like protein Nedd 8, Ubiquitin like protein Nedd8.

Background: Ubiquitin like proteins fall into two classes: the first class, ubiquitin-like modifiers (UBLs) function as modifiers in a manner analogous to that of ubiquitin. Examples of UBLs are SUMO, Rub1 (also called Nedd8), Apg12 and Hub1. Proteins of the second class include Parkin, RAD23 and DSK2, are designated ubiquitin domain proteins (UDPs). These proteins contain domains that are related to ubiquitin but are otherwise unrelated to each other. In contrast to UBLs, UDPs are not proteolytically processed or conjugated to other proteins. Rub1 and the corresponding human homolog NEDD8 are activated by the E1 ubiquitin activating enzyme UBA2, that forms isopeptide linkages between thio esters. NEDD8 shows 80 % homology to ubiquitin. The best known targets of Rub1 modification are members of the cullin family. Cullins are subunits of an E3 ubiquitin ligase complex called the Skp1 /Cul1/Cdc53 F box (SCF). The SCF promotes transfer of ubiquitin from a ubiquitin conjugating enzyme (E2) to the target protein. Rub1 modification may regulate SCF function or localization.

Gene ID:	4738
Pathways:	Ubiquitin Proteasome Pathway

Application Details

Application Notes:	IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.

Handling

Expiry Date: 12 months