10320 Camino Santa Fe, Suite G
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Anti-NEDD1 Secondary Antibody
Rabbit Polyclonal, Unconjugated
Catalog # ASR1137

Specification

Anti-NEDD1 Secondary Antibody - Product Information

Description	**Anti-NEDD1 (RABBIT) Antibody**
Host	**Rabbit**
Conjugate	**Unconjugated**
Target Species	**Human**
Reactivity	**Human**
Clonality	**Polyclonal**
Application	**,1,10,**
Application Note	**ELISA 1:100,000;Western Blot 1:10,000**
Physical State	**Liquid (sterile filtered)**
Host Isotype	**Antiserum**
Buffer	**0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**
Immunogen	**Anti-NEDD1 was prepared from whole rabbit serum produced by repeated immunizations with a recombinant protein corresponding to the 343-667 region of human Nedd1.**
Stabilizer	**None**
Preservative	**0.01% (w/v) Sodium Azide**

Anti-NEDD1 Secondary Antibody - Additional Information

Shipping Condition
Dry Ice

Purity
This product was adsorbed against GST from monospecific antiserum by immunoaffinity chromatography. This antibody reacts with endogenous Nedd1 protein. A BLAST analysis was used to suggest reactivity with Nedd1 from human, chimpanzee, macaque, marmoset, cattle, rat, and mouse based on a 100% homology with the immunizing sequence. Expect partial reactivity with Nedd1 from turkey, chicken, salmon, and Danio based on a 91% homology with the immunizing sequence. Cross-reactivity with Nedd1 from other sources has not been determined.

Storage Condition
Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

Precautions Note
This product is for research use only and is not intended for therapeutic or diagnostic applications.

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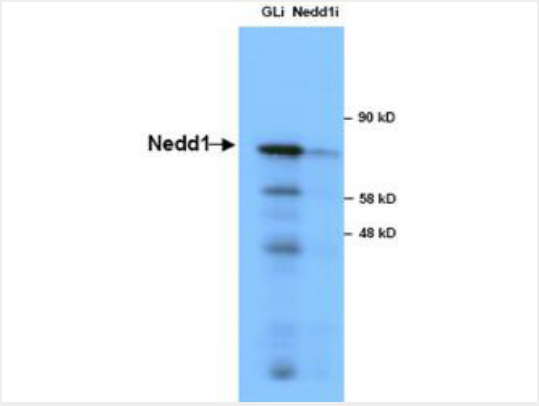
Anti-NEDD1 Secondary Antibody - Protein Information

Anti-NEDD1 Secondary Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-NEDD1 Secondary Antibody - Images



Anti-NEDD1 in Western Blot using Abcepta Immunochemicals' Anti-NEDD1 Antibody shows detection of a 73 kDa band corresponding to endogenous NEDD1 in lysates of S phase HeLa cells silenced for either control Luciferase or NEDD1. In right lane (NEDD1i): lysates from sh-NEDD1 RNAi-treated lentivirus-infected cells. In left lane (GLi): lysates from sh-Luciferase lentivirus-infected cells as control. Anti-NEDD1 Antibody was used at 1:10,000. Molecular weight estimation was made by comparison by prestained MW markers. ECL was used for detection. Personal communication, Kyung S. Lee, NCI, Bethesda, MD.

Anti-NEDD1 Secondary Antibody - Background

This antibody is designed, produced, and validated as part of a collaboration between Rockland and the National Cancer Institute (NCI) and is suitable for Cancer, Immunology and Nuclear Signaling research. Microtubules are polymers of tubulin, which exist as heterodimers of alpha-tubulin and beta-tubulin. NEDD1 (neural precursor expressed, developmentally down-regulated protein1; also called GCP-WD) is a centrosomal protein that in mammals associates with the gamma-tubulin ring complex (?-TuRC). ?-TuRC is critical for initiation, or nucleation, of the microtubule assembly. In association with this complex, NEDD1 plays an important role in targeting the ?-TuRC complex to the site of microtubule nucleation and to the mitotic spindle. These events are essential for proper bipolar spindle formation and mitotic progression. Given the casual link between improper spindle function and tumorigenesis, characterization of Nedd1 function will be important to better understand various mechanisms underlying mitotic regulation, chromosome segregation, and cancer development.