

NEDL2 Rabbit pAb

Catalog # AP98080

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9P2P5
Other Accession	Q9P2P5
Host	Rabbit
Clonality	Polyclonal
Calculated MW	175769
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NEDL2
Epitope Specificity	21-120/1572
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 C2 domain. Contains 1 HECT (E6AP-type E3 ubiquitin-protein ligase) domain. Contains 2 WW domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	NEDL2 is a 1,572 amino acid cytoplasmic protein that is involved in protein modification and ubiquitination and exists as two alternatively spliced isoforms. NEDL2 acts as an E3 ubiquitin-protein ligase that enhances p73 transcription activation, ubiquitination and stabilization, and is highly expressed in adult heart, lung and brain. Containing one C2 domain, two WW domains and a single HECT (E6AP-type E3 ubiquitin-protein ligase) domain, NEDL2 is encoded by a gene that maps to human chromosome 2, which consists of 237 million bases, encodes over 1,400 genes and makes up approximately 8% of the human genome. A number of genetic diseases are linked to genes on chromosome 2 including Harlequin ichthyosis, sitosterolemia and Alström syndrome.

Additional Information

Gene ID	57520
Other Names	NDHSAL; NEDL2; A730039N16Rik; D030049F17Rik; Gm971; mKIAA1301; HECW2_HUMAN; HECW2; HECT, C2 and WW domain-containing protein 2; HECT-type E3 ubiquitin transferase HECW2; NEDD4-like E3 ubiquitin-protein ligase 2; 2.3.2.26; KIAA1301; HECW2_MOUSE; HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name	HECW2
Synonyms	KIAA1301, NEDL2
Function	E3 ubiquitin-protein ligase that mediates ubiquitination of TP73. Acts to stabilize TP73 and enhance activation of transcription by TP73 (PubMed: 12890487). Involved in the regulation of mitotic metaphase/anaphase transition (PubMed: 24163370).
Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton, spindle
Tissue Location	Predominantly expressed in adult brain, lung and heart.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.