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# NEDL2 Rabbit pAb

Catalog # AP98080

## Product Information

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| **Application** | IHC-P, IHC-F, IF, E |
| **Primary Accession** | Q9P2P5 |
| **Other Accession** | Q9P2P5 |
| **Predicted** | Rat, Pig, Human, Mouse, Rabbit, Dog, Horse, Sheep |
| **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 icthyosis, sitosterolemia and Alstr鰉 syndrome. |

## Additional Information

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| **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=1:5000-10000 |
| **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

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| **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'.