

NEDD8 Rabbit mAb

Catalog # AP74953

Product Information

Application	WB, IHC-P, IHC-F, IP, ICC
Primary Accession	Q15843
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	9072

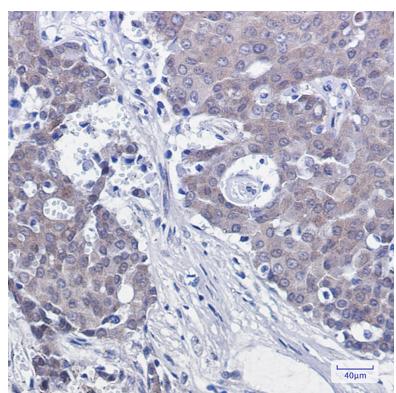
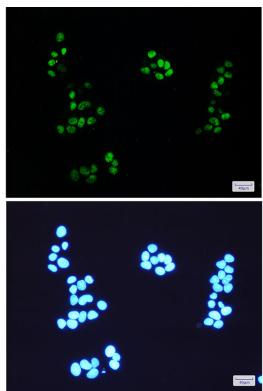
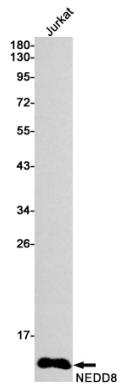
Additional Information

Gene ID	4738
Other Names	NEDD8
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A IP~~N/A ICC~~N/A
Format	Liquid

Protein Information

Name	NEDD8 {ECO:0000303 PubMed:9694792, ECO:0000312 HGNC:HGNC:7732}
Function	Ubiquitin-like protein which plays an important role in cell cycle control and embryogenesis via its conjugation to a limited number of cellular proteins, such as cullins or p53/TP53 (PubMed: 10318914 , PubMed: 10597293 , PubMed: 11953428 , PubMed: 14690597 , PubMed: 15242646 , PubMed: 9694792 , PubMed: 38605244 , PubMed: 38316879). Attachment of NEDD8 to cullins is critical for the recruitment of E2 to the cullin-RING- based E3 ubiquitin-protein ligase complex, thus facilitating polyubiquitination and proteasomal degradation of cyclins and other regulatory proteins (PubMed: 10318914 , PubMed: 10597293 , PubMed: 11953428 , PubMed: 20688984 , PubMed: 9694792 , PubMed: 38605244 , PubMed: 38316879). Attachment of NEDD8 to p53/TP53 inhibits p53/TP53 transcriptional activity (PubMed: 15242646). Covalent attachment to its substrates requires prior activation by the E1 complex UBE1C-APPBP1 and linkage to the E2 enzyme UBE2M (PubMed: 14690597).
Cellular Location	Nucleus. Note=Mainly nuclear.
Tissue Location	Highly expressed in heart, skeletal muscle, spleen, thymus, prostate, testis, ovary, colon and leukocytes

Images



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