

**Goat Anti-NEDD9 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1715a****Specification**

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**Goat Anti-NEDD9 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q14511</a>
Other Accession	<a href="#">NP_892011</a> , <a href="#">4739</a> , <a href="#">18003 (mouse)</a> , <a href="#">291044 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	92861

**Goat Anti-NEDD9 Antibody - Additional Information****Gene ID** 4739**Other Names**

Enhancer of filamentation 1, hEF1, CRK-associated substrate-related protein, CAS-L, CasL, Cas scaffolding protein family member 2, Neural precursor cell expressed developmentally down-regulated protein 9, NEDD-9, Renal carcinoma antigen NY-REN-12, p105, Enhancer of filamentation 1 p55, NEDD9, CASL, CASS2

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-NEDD9 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-NEDD9 Antibody - Protein Information****Name** NEDD9 ([HGNC:7733](#))**Function**

Scaffolding protein which plays a central coordinating role for tyrosine-kinase-based signaling related to cell adhesion (PubMed:<a href="http://www.uniprot.org/citations/24574519" target="\_blank">24574519</a>). As a focal adhesion protein, plays a role in embryonic fibroblast

migration (By similarity). May play an important role in integrin beta-1 or B cell antigen receptor (BCR) mediated signaling in B- and T-cells. Integrin beta-1 stimulation leads to recruitment of various proteins including CRKL and SHPTP2 to the tyrosine phosphorylated form (PubMed:<a href="http://www.uniprot.org/citations/9020138" target="\_blank">9020138</a>). Promotes adhesion and migration of lymphocytes; as a result required for the correct migration of lymphocytes to the spleen and other secondary lymphoid organs (PubMed:<a href="http://www.uniprot.org/citations/17174122" target="\_blank">17174122</a>). Plays a role in the organization of T-cell F- actin cortical cytoskeleton and the centralization of T-cell receptor microclusters at the immunological synapse (By similarity). Negatively regulates cilia outgrowth in polarized cysts (By similarity). Modulates cilia disassembly via activation of AURKA-mediated phosphorylation of HDAC6 and subsequent deacetylation of alpha-tubulin (PubMed:<a href="http://www.uniprot.org/citations/17604723" target="\_blank">17604723</a>). Positively regulates RANKL-induced osteoclastogenesis (By similarity). Required for the maintenance of hippocampal dendritic spines in the dentate gyrus and CA1 regions, thereby involved in spatial learning and memory (By similarity).

### Cellular Location

Cytoplasm, cell cortex. Nucleus. Golgi apparatus. Cell projection, lamellipodium. Cytoplasm. Cell junction, focal adhesion. Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, spindle pole. Cell projection, cilium. Cytoplasm, cytoskeleton, cilium basal body Basolateral cell membrane {ECO:0000250|UniProtKB:A0A8I3PDQ1}

### Tissue Location

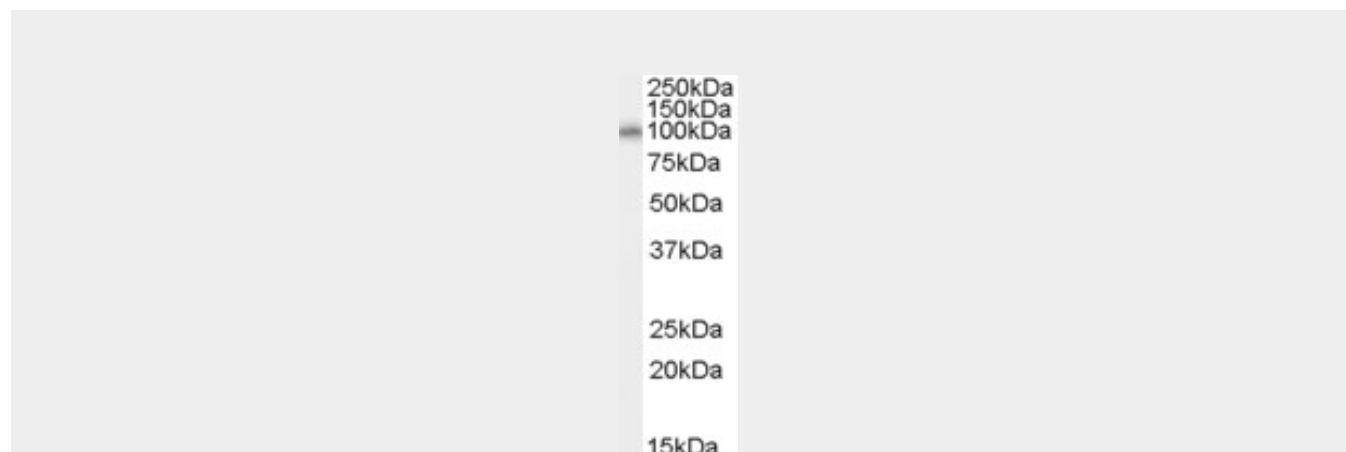
Expressed in B-cells (at protein level) (PubMed:9020138). Expressed in the respiratory epithelium of the main bronchi to the bronchioles in the lungs (at protein level) (PubMed:9584194). High levels detected in kidney, lung, and placenta (PubMed:9584194). Expressed in lymphocytes (PubMed:9497377)

## Goat Anti-NEDD9 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 Cytometry](#)
- [Cell Culture](#)

## Goat Anti-NEDD9 Antibody - Images



AF1715a (0.1 µg/ml) staining of Human Kidney lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

#### **Goat Anti-NEDD9 Antibody - References**

Association of CR1, CLU and PICALM with Alzheimer's disease in a cohort of clinically characterized and neuropathologically verified individuals. Corneveaux JJ, et al. Hum Mol Genet, 2010 Aug 15. PMID 20534741.

Regulation of invasive behavior by vascular endothelial growth factor is HEF1-dependent. Lucas JT Jr, et al. Oncogene, 2010 Aug 5. PMID 20498643.

Different implication of NEDD9 genetic variant in early and late-onset Alzheimer's disease. Tedde A, et al. Neurosci Lett, 2010 Jun 25. PMID 20430066.

A novel large regulator RNA, B2, partially overlaps the HEF1/NEDD9/Cas-L gene. Malleter M, et al. Int J Mol Med, 2010 Jun. PMID 20428794.

Systematic analysis of candidate genes for Alzheimer's disease in a French, genome-wide association study. Laumet G, et al. J Alzheimers Dis, 2010. PMID 20413850.