

Anti-DENND3 (Ser554) Antibody

**Our Anti-DENND3 (Ser554) rabbit polyclonal phosphospecific primary antibody from PhosphoSolutions is
Catalog # AN1358**

Specification

Anti-DENND3 (Ser554) Antibody - Product Information

Primary Accession	A2RUS2
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	135890

Anti-DENND3 (Ser554) Antibody - Additional Information

Gene ID **22898**

Other Names

DENN Domain Containing 3, DENN Domain-Containing Protein 3, DENN/MADD Domain Containing 3, KIAA0870 DENN/MADD domain containing 3, KIAA0870DENN domain-containing protein 3

Target/Specificity

The DENN (differentially expressed in normal and neoplastic cells) domain (DENND) is a poorly characterized protein module conserved throughout evolution (Marat, A.L., et al., 2011). Proteins bearing a DENN domain have recently emerged as the largest family of Rab GEFs. Among these DENN domain proteins, DENND3 is a GEF for Rab12; promoting the exchange of GDP to GTP, converting inactive GDP-bound RAB12 into its active GTP-bound form (Xu and McPherson, 2015; Matsui et al., 2011). ULK-mediated phosphorylation of DENND3 at serines 554 and 572 upregulates its GEF activity toward the small GTPase Rab12 (Xu and McPherson, 2015).

Format

Antigen Affinity Purified from Pooled Serum

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

Anti-DENND3 (Ser554) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

Blue Ice

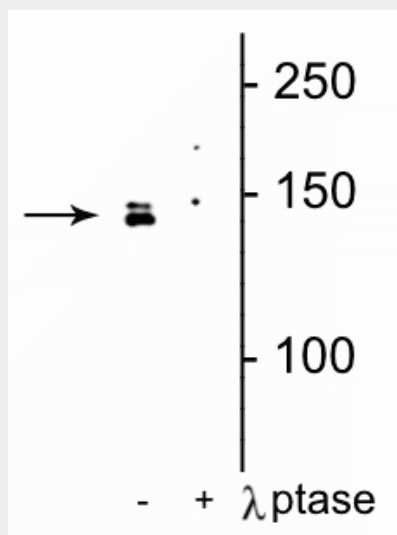
Anti-DENND3 (Ser554) Antibody - Protocols

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](#)

Anti-DENND3 (Ser554) Antibody - Images



Western blot of HeLa cell lysate showing specific immunolabeling of the ~142 kDa DENND3 protein phosphorylated at Ser554 in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is completely eliminated by lysate treatment with lambda phosphatase (λ -Ptase, 800 units/1mg protein for 30 min).

Anti-DENND3 (Ser554) Antibody - Background

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