

Anti-DENND3 (Ser554) Antibody

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

Product Information

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

Additional Information

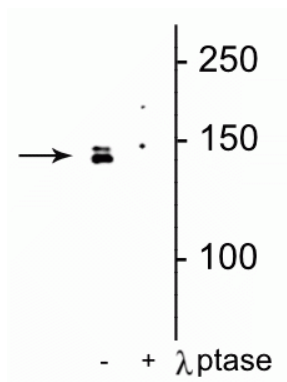
Gene ID	22898
Other Names	DENN Domain Containing 3, DENN Domain-Containing Protein 3, DENN/MADD Domain Containing 3, KIAA0870 DENN/MADD domain containing 3, KIAA0870DENN domain-containing protein 3
Target/Specificity	The DENN (differentially expressed in normal and neoplastic cells) domain (DENND) is 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).
Dilution	WB~~1:1000
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

Background

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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).

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