

Rabbit Ser554 DENND3 Polyclonal Antibody | anti-DENND3 antibody

Anti-Phospho-Ser554 DENND3

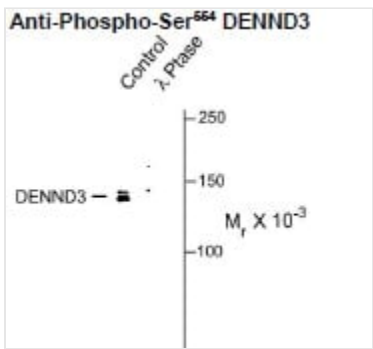
CATALOG # AAA72827	HOST Rabbit	REACTIVITY Human, Mouse, Non-Human Primate, Rat, Sheep	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

Ser554 DENND3; Polyclonal Antibody; Anti-Phospho-Ser554 DENND3; DENND3 (Ser554); anti-DENND3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Non-Human Primate, Rat, Sheep
Clonality	Polyclonal
Specificity	Specific for the ~142kD DENND3 phosphorylated at Ser ⁵⁵⁴ . Immunolabeling is blocked by lambda-phosphate treatment
Purity/Purification	Affinity purified rabbit polyclonal antibody
Form/Format	100 ul in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 ug per ml BSA and 50% glycerol. Adequate amount of material to conduct 10 mini western blots
Sequence Length	1,278
Applicable Applications for anti-DENND3 antibody	WB (Western Blot)
Quality Control Tests	Western Blot performed on each lot
Biological Significance	The DENN (differentially expressed in normal and neoplastic cells) domain (DENND) is a poorly characterized protein module conserved throughout evolution (McPherson 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 (McPherson and Xu, 2015; Matsui et al., 2011). ULK-mediated phosphorylation of DENND3 at serines 554 and 572 upregulates its GEF activity toward the small GTPase Rab12 (McPherson and Xu, 2015).
Preparation and Storage	Store at -20 degree C; stable for one year



WB (Western Blot)
Western blot of HeLa lysate showing specific immunolabeling of the ~142kD DENND3 protein phosphorylated at Ser554 (control). Phosphospecificity is shown in the second lane (lambda-phosphatase: lambda-Ptase). The blot is identical to the control except that the lysate was incubated in lambda-Ptase (800 units/1mg protein for 30 min). The immunolabeling is completely eliminated by treatment with lambda-Ptase.

NCBI AND UNIPROT INFORMATION

UniProt Accession #	D4A2H4
Molecular Weight	~142 kDa
UniProt Protein Name	Protein Dennd3
UniProt Gene Name	Dennd3
UniProt Entry Name	D4A2H4_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.