10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PPPDE1 / PNAS4 Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF3320a

Specification

PPPDE1 / PNAS4 Antibody (internal region) - Product Information

Application	**WB**
Primary Accession	Q9BSY9
Other Accession	NP_057160.2, 51029, 78825 (mouse), 289277 (rat)
Reactivity	**Human**
Predicted	**Mouse, Rat, Pig, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**21444**

PPPDE1 / PNAS4 Antibody (internal region) - Additional Information

Gene ID 51029

Other Names
Desumoylating isopeptidase 2, DeSI-2, 3.4.-.-, PPPDE peptidase domain-containing protein 1, Protein FAM152A, DESI2, C1orf121, FAM152A, PPPDE1

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 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
PPPDE1 / PNAS4 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

PPPDE1 / PNAS4 Antibody (internal region) - Protein Information

Name DESI2

Function
Has deubiquitinating activity towards 'Lys-48'- and 'Lys-63'- linked polyubiquitin chains. Deubiquitinates 'Lys-48'-linked polyubiquitination of RPS7 leading to its stabilization (PubMed:28483520). Exhibits palmitoyl protein thioesterase (S- depalmitoylation) activity towards synthetic substrates 4-methylumbelliferyl-6-S-palmitoyl-beta-D-glucopyranoside and S- depalmitoylation probe 5 (DPP-5)

(PubMed:35427157).

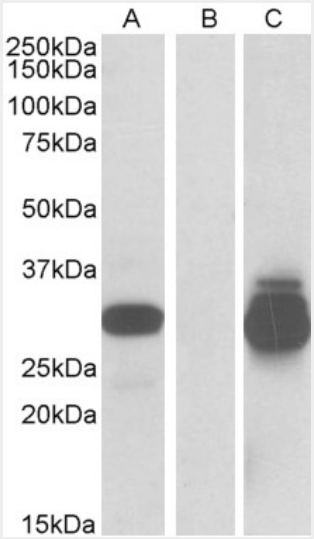
Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:Q9D291}.

PPPDE1 / PNAS4 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PPPDE1 / PNAS4 Antibody (internal region) - Images



HEK293 lysate (10ug protein in RIPA buffer) overexpressing Human PPPDE1 with C-terminal MYC tag probed with AF3320a (0.5ug/ml) in Lane A and probed with anti-MYC Tag (1/5000) in lane C. Mock-transfected HEK293 probed with AF3320a (1mg/ml) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence

PPPDE1 / PNAS4 Antibody (internal region) - References

A novel pro-apoptosis gene PNAS4 that induces apoptosis in A549 human lung adenocarcinoma cells and inhibits tumor growth in mice. Yan F, Gou L, Yang J, Chen L, Tong A, Tang M, Yuan Z, Yao S, Zhang P, Wei Y, Biochimie 2009 Apr 91 (4): 502-7. PMID: 19133312