10320 Camino Santa Fe, Suite G
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DULLARD Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12805c

Specification

DULLARD Antibody (Center) - Product Information

Application	**WB, FC, IHC-P,E**
Primary Accession	O95476
Other Accession	Q3B7T6, Q3TP92, Q1RMV9, NP_001137247.1
Reactivity	**Human**
Predicted	**Bovine, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**28377**
Antigen Region	**131-160**

DULLARD Antibody (Center) - Additional Information

Gene ID 23399

Other Names
CTD nuclear envelope phosphatase 1, Serine/threonine-protein phosphatase dullard, CTDNEP1, DULLARD

Target/Specificity
This DULLARD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 131-160 amino acids from the Central region of human DULLARD.

Dilution
WB~~1:1000
FC~~1:10~50
IHC-P~~1:10~50
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

Precautions
DULLARD Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

DULLARD Antibody (Center) - Protein Information

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Name CTDNEP1

Synonyms DULLARD

Function Serine/threonine protein phosphatase forming with CNEP1R1 an active phosphatase complex that dephosphorylates and may activate LPIN1 and LPIN2. LPIN1 and LPIN2 are phosphatidate phosphatases that catalyze the conversion of phosphatidic acid to diacylglycerol and control the metabolism of fatty acids at different levels. May indirectly modulate the lipid composition of nuclear and/or endoplasmic reticulum membranes and be required for proper nuclear membrane morphology and/or dynamics. May also indirectly regulate the production of lipid droplets and triacylglycerol. May antagonize BMP signaling.

Cellular Location
Endoplasmic reticulum membrane; Single-pass membrane protein. Nucleus membrane; Single-pass membrane protein

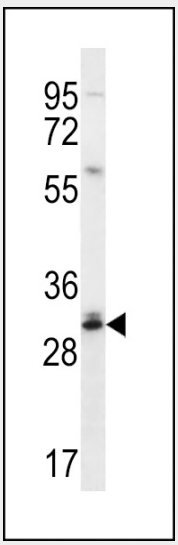
Tissue Location
Muscle specific with lower expression in other metabolic tissues.

DULLARD Antibody (Center) - 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

DULLARD Antibody (Center) - Images



DULLARD Antibody (Center) (Cat. #AP12805c) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the DULLARD antibody detected the DULLARD protein (arrow).

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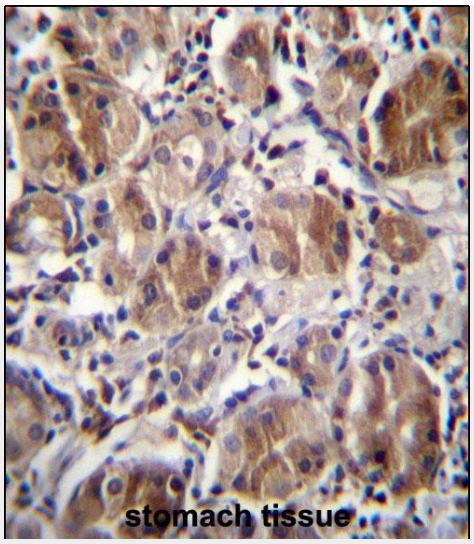
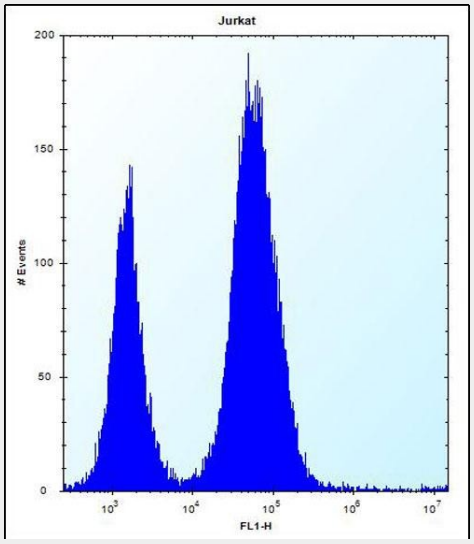


DULLARD Antibdy (Center) (Cat. #AP12805c)immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of DULLARD Antibdy (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



DULLARD Antibody (Center) (Cat. #AP12805c) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

DULLARD Antibody (Center) - Background

Serine/threonine phosphatase which may be required for proper nuclear membrane morphology. Involved in LPIN1 dephosphorylation. May antagonize BMP signaling.

DULLARD Antibody (Center) - References

Kim, Y., et al. Proc. Natl. Acad. Sci. U.S.A. 104(16):6596-6601(2007)
Zhang, Y., et al. Mol. Cell 24(5):759-770(2006)
Satow, R., et al. Dev. Cell 11(6):763-774(2006)
Satow, R., et al. Biochem. Biophys. Res. Commun. 295(1):85-91(2002)