

**DULLARD Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP12805c****Specification**

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**DULLARD Antibody (Center) - Product Information**

Application	WB, FC, IHC-P,E
Primary Accession	<a href="#">O95476</a>
Other Accession	<a href="#">Q3B7T6</a> , <a href="#">Q3TP92</a> , <a href="#">Q1RMV9</a> , <a href="#">NP_001137247.1</a>
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**

**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**

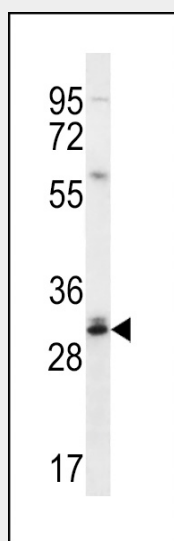
Muscle specific with lower expression in other metabolic tissues.

**DULLARD Antibody (Center) - Protocols**

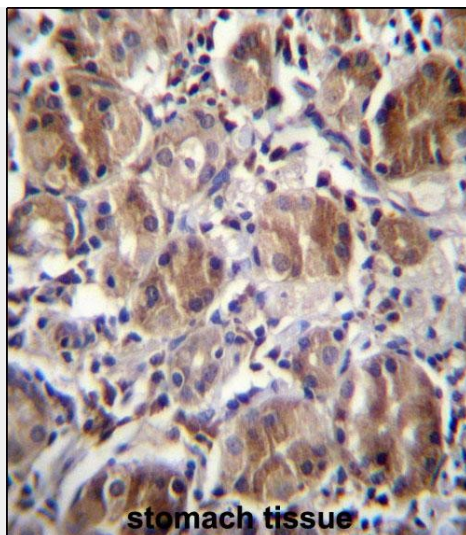
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

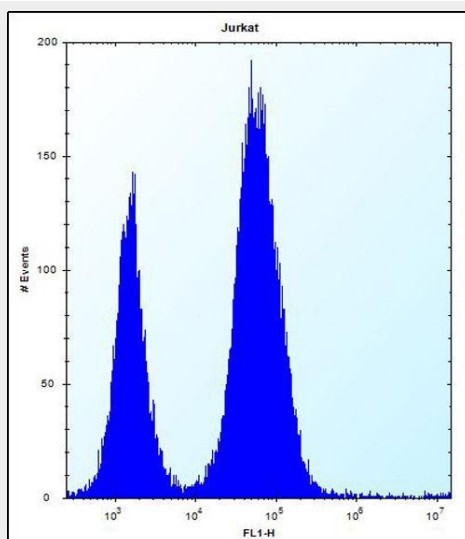
**DULLARD Antibody (Center) - Images**



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).



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)