

**DSTN Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP9189c****Specification**

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

Application	WB, FC, IHC-P,E
Primary Accession	<a href="#">P60981</a>
Other Accession	<a href="#">Q7M0E3</a> , <a href="#">P60982</a> , <a href="#">Q9R0P5</a> , <a href="#">Q5E9D5</a>
Reactivity	Human
Predicted	Bovine, Mouse, Pig, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	18506
Antigen Region	70-98

**DSTN Antibody (Center) - Additional Information****Gene ID** 11034**Other Names**

Destrin, Actin-depolymerizing factor, ADF, DSTN, ACTDP, DSN

**Target/Specificity**

This DSTN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 70-98 amino acids from the Central region of human DSTN.

**Dilution**

WB~~1:1000

FC~~1:10~50

IHC-P~~1:50~100

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**

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

**DSTN Antibody (Center) - Protein Information**

**Name** DSTN

**Synonyms** ACTDP, DSN

**Function** Actin-depolymerizing protein. Severs actin filaments (F- actin) and binds to actin monomers (G-actin). Acts in a pH-independent manner.

**Tissue Location**

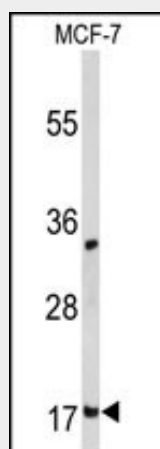
Widely distributed in various tissues.

**DSTN Antibody (Center) - Protocols**

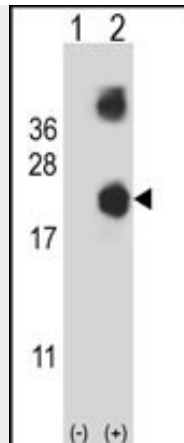
Provided below are standard protocols that you may find useful for product applications.

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

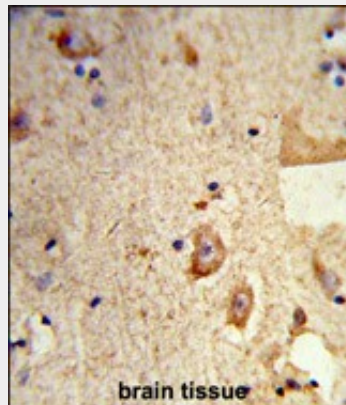
**DSTN Antibody (Center) - Images**



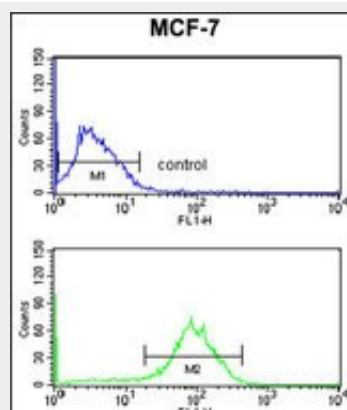
Western blot analysis of DSTN Antibody (Center) (Cat. #AP9189c) in MCF-7 cell line lysates (35ug/lane). DSTN (arrow) was detected using the purified Pab.



Western blot analysis of DSTN (arrow) using rabbit polyclonal DSTN Antibody (Center) (Cat. #AP9189c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the DSTN gene.



Formalin-fixed and paraffin-embedded human brain tissue reacted with DSTN Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



DSTN Antibody (Center) (Cat. #AP9189c) flow cytometry analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **DSTN Antibody (Center) - Background**

DSTN belongs to the actin-binding proteins ADF family. This family of proteins is responsible for enhancing the turnover rate of actin in vivo. This protein encodes the actin depolymerizing protein

that severs actin filaments (F-actin) and binds to actin monomers (G-actin).

#### **DSTN Antibody (Center) - References**

Estornes,Y., et.al., Int. J. Cancer 121 (10), 2162-2171 (2007)

Mannherz,H.G., et.al., J. Mol. Biol. 366 (3), 745-755 (2007)