

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

DSTN Antibody (Center) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	P60981
Other Accession	Q7M0E3 , P60982 , Q9R0P5 , Q5E9D5
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
IHC-P~~1:50~100
FC~~1:10~50

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.

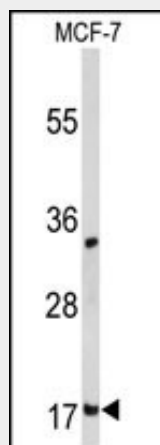
Tissue Location

Widely distributed in various tissues.

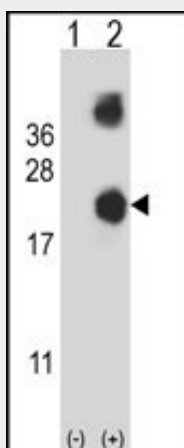
DSTN Antibody (Center) - Protocols

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

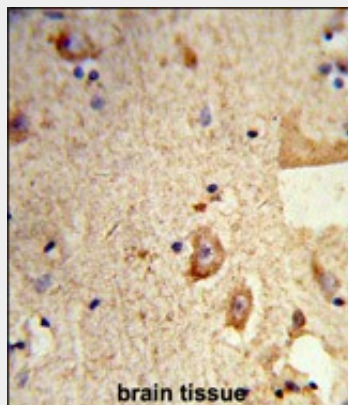
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DSTN Antibody (Center) - Images

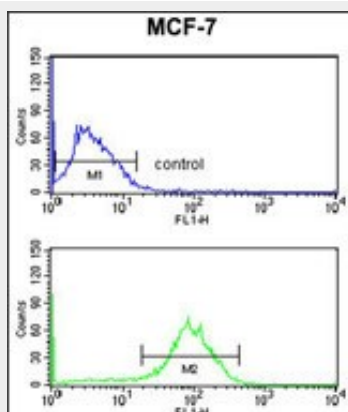
Western blot analysis of DSTN Antibody (Center) (Cat. #AP9189c) in MCF-7 cell line lysates (35ug/lane). DSTN (arrow) was detected using the purified Pab.



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)