

DSTN Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP9189c

Specification

DSTN Antibody (Center) - Product Information

Application Primary Accession Other Accession Reactivity Predicted Host Clonality Isotype Calculated MW Antigen Region WB, FC, IHC-P,E <u>P60981</u> <u>O7M0E3</u>, <u>P60982</u>, <u>O9R0P5</u>, <u>O5E9D5</u> Human Bovine, Mouse, Pig, Rat Rabbit Polyclonal Rabbit IgG 18506 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.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

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)