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DSTN Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9189c

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	P60981
Other Accession	Q7M0E3, P60982, Q9R0P5, Q5E9D5
Reactivity	Human
Predicted	Bovine, Mouse, Pig, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23763
Calculated MW	18506
Antigen Region	70-98

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~~1:100~500 FC~~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	DSTN Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

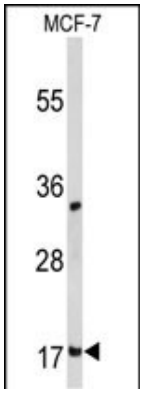
Background

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).

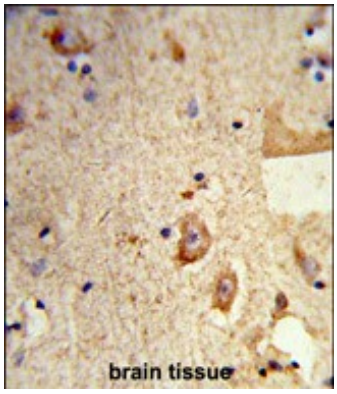
References

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)

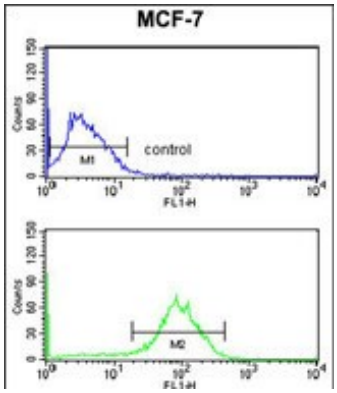
Images



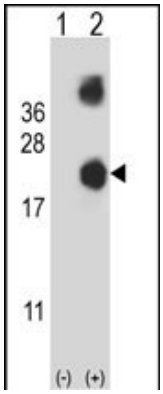
Western blot analysis of DSTN Antibody (Center) (Cat. #AP9189c) in MCF-7 cell line lysates (35ug/lane). DSTN (arrow) was detected using the purified Pab.



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.



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.