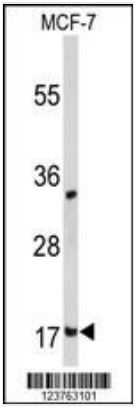
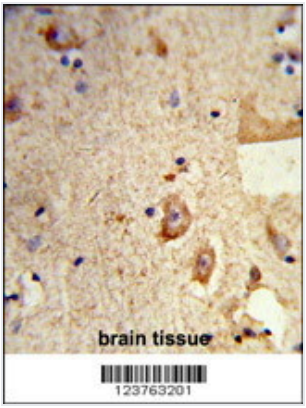
DSTN Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

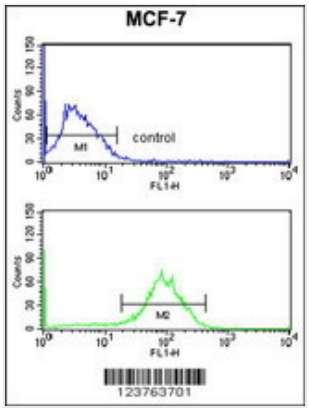
Product Name	DSTN, Polyclonal Antibody
Full Product Name	DSTN, ID (DSTN, ACTDP, DSN, Destrin, Actin-depolymerizing factor)
Product Gene Name	anti-DSTN antibody
Product Synonym Names	Anti -DSTN, ID (DSTN, ACTDP, DSN, Destrin, Actin-depolymerizing factor)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	18,506 Da
Chromosome Location	Chromosome: 20; NC_000020.10 (17549818..17588887). Location: 20p12.1
OMIM	609114
3D Structure	ModBase 3D Structure for P60981
Immunogen	DSTN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 77~106 amino acids from the Center region of human DSTN.
Product Categories/Family for anti-DSTN antibody	Antibodies; Abs to Actin Related Proteins
Applications Tested/Suitable for anti-DSTN antibody	ELISA (EL/EIA), Western Blot (WB), Immunohistochemistry (IHC), Flow Cytometry (FC/FACS)
Application Notes for anti-DSTN antibody	Suitable for use in Western Blot, Immunohistochemistry, Flow Cytometry, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500 Immunohistochemistry: 1:50-100 Flow Cytometry: 1:10-50
Related Product Information for anti-DSTN antibody	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).
Other Notes	Small volumes of anti-DSTN antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DSTN purchase	MBS6001922 is an antibody targeting DSTN. Also known as DSTN, ID (DSTN, ACTDP, DSN, Destrin, Actin-depolymerizing factor). Reactive in Human. Host: Rabbit.



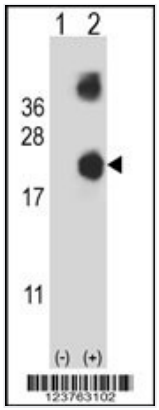
Western Blot (WB) of anti-DSTN antibody
Western blot analysis of DSTN Antibody (Center) in MCF-7 cell line lysates (35ug/lane). DSTN (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-DSTN antibody
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.



Flow Cytometry (FC/FACS) of anti-DSTN antibody
DSTN Antibody (Center) 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 (WB) of anti-DSTN antibody
Western blot analysis of DSTN (arrow) using rabbit polyclonal DSTN Antibody (Center) . 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the DSTN gene.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DSTN. It may not necessarily be applicable to this product.

NCBI GI #	49456867
NCBI GeneID	11034
NCBI Accession #	CAG46754.1
UniProt Primary Accession #	P60981
UniProt Secondary Accession #	P18282; Q5W166; Q6IAW2; B2R6N2; B4DYA6
UniProt Related Accession #	P60981
NCBI Official Full Name	DSTN
NCBI Official Synonym Full Names	destrin (actin depolymerizing factor)
NCBI Official Symbol	DSTN
NCBI Official Synonym Symbols	ADF; ACTDP; bA462D18.2
UniProt Protein Name	Destrin
UniProt Synonym Protein Names	Actin-depolymerizing factor
Protein Family	Destrin

UniProt Gene Name	DSTN
UniProt Synonym Gene Names	ACTDP; DSN; ADF
UniProt Entry Name	DEST_HUMAN
NCBI Protein Information	destrin; actin-depolymerizing factor; bA462D18.2 (destrin (actin depolymerizing factor ADF) (ACTDP))
NCBI Summary for DSTN	The product of this gene belongs to the actin-binding proteins ADF family. This family of proteins is responsible for enhancing the turnover rate of actin in vivo. This gene encodes the actin depolymerizing protein that severs actin filaments (F-actin) and binds to actin monomers (G-actin). Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for DSTN	Destrin: an actin-depolymerizing cytoskeletal protein that belongs to the ADF actin-binding protein family. Severs actin filaments (F-actin) and binds to actin monomers (G-actin). Present in many vertebrate tissues and particularly abundant in neuronal cells. It binds F-actin in a pH-dependent manner which affects it's severing/depolymerizing activities. It also binds G-actin at pH 8.0 thereby sequestering monomers and preventing polymerization. Protein type: Motility/polarity/chemotaxis; Actin-binding Chromosomal Location of Human Ortholog: 20p12.1 Cellular Component: cortical actin cytoskeleton; actin cytoskeleton Molecular Function: actin binding Biological Process: actin filament depolymerization; actin filament severing; positive regulation of actin filament depolymerization; actin polymerization and/or depolymerization
Research Articles on DSTN	**1.** Destrin is upregulated in nerve-invasive pancreatic cancer cells and its expression might be related to perineural invasiveness
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/dstn/6001922