Datasheet for ABIN1712033

anti-Destrin antibody (AA 75-165) (HRP)

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Overview

Quantity:	100 µL
Target:	Destrin (DSTN)
Binding Specificity:	AA 75-165
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Destrin antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Destrin
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Monkey
Purification:	Purified by Protein A.

Target Details

Target:	Destrin (DSTN)
Alternative Name:	Destrin (DSTN Products)
Background:	Synonyms: 2610043P17Rik, ACTDP, Actin depolymerizing factor, Actin-depolymerizing factor,

Target Details

	ADF, AU042046, bA462D18.2, corn1, DEST_HUMAN, Destrin actin depolymerizing factor, Destrin, DSN, Dstn, Sid 23, sid23p. Background: Actin-depolymerizing factor (ADF), also known as destrin, is a member of the ADF/Cofilin/destrin superfamily that has the ability to rapidly depolymerize F-Actin in a stoichiometric manner. The Actin-depolymerizing activity of ADF is reversibly controlled by changes in KCl concentration but is insensitive to calcium concentration. ADF depolymerizes F-Actin by interacting directly with F-Actin protomers. ADF shares 71 % sequence homology with Cofilin, however the two proteins differ in their interaction with Actin. The difference in the function of ADF and Cofilin results from the subtle difference in their amino acid sequence rather than possible differences in posttranslational modifications. As a result of different cleavage sites on ADF and Cofilin, the proteins differ in their overall tertiary folds. Sensitivity to polyphosphoinositides may be a common feature in vitro among Actin-binding proteins such as ADF and Cofilin that can bind to G-Actin and regulate the state of Actin polymerization. ADF and Cofilin are Actin-depolymerizing proteins whose activities are possibly regulated by their phosphorylation/dephosphorylation.
Gene ID:	11034

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish

Handling

	peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months