CD Creative Diagnostics®

Mouse anti-Human DST monoclonal antibody, clone 2C21 (CABT-B10137)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	DST (NP_899236, 401 a.a. ~ 501 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	2C21
Conjugate	Unconjugated
Applications	WB,IF,sELISA,ELISA
Sequence Similarities	EDKLILAGNALQSDSKRLESGVQFQNEAEIAGYILECENLLRQHVIDVQILIDGKYYQAD QLVQRVAKLRDEIMALRNECSSVYSKGRILTTEQTKLMIS*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	This gene encodes a member of the plakin protein family of adhesion junction plaque proteins. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for

this gene, but the full-length nature of some variants has not been defined. It has been reported that some isoforms are expressed in neural and muscle tissue, anchoring neural intermediate filaments to the actin cytoskeleton, and some isoforms are expressed in epithelial tissue, anchoring keratin-containing intermediate filaments to hemidesmosomes. Consistent with the expression, mice defective for this gene show skin blistering and neurodegeneration. [provided by RefSeq, Mar 2010]

Keywords	DST; dystonin; DT; BPA; DMH; BP240; BPAG1; EBSB2; HSAN6; MACF2; CATX15; CATX-15; D6S1101; trabeculin-beta; dystonia musculorum protein; bullous pemphigoid antigen 1; hemidesmosomal plaque protein;

GENE INFORMATION

Entrez Gene ID	667
UniProt ID	Q03001
Pathway	Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Cell junction organization, organism-specific biosystem; Type I hemidesmosome assembly, organism-specific biosystem
Function	actin binding; calcium ion binding; integrin binding; microtubule plus-end binding; protein C-terminus binding; protein binding; protein homodimerization activity