

DST Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant DST.

Catalog # AT1822a

Product Information

Application	WB, IF, E
Primary Accession	Q03001
Other Accession	NM_183380
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1B10
Calculated MW	860662

Additional Information

Gene ID	667
Other Names	Dystonin, 230 kDa bullous pemphigoid antigen, 230/240 kDa bullous pemphigoid antigen, Bullous pemphigoid antigen 1, BPA, Bullous pemphigoid antigen, Dystonia musculorum protein, Hemidesmosomal plaque protein, DST, BP230, BP240, BPAG1, DMH, DT, KIAA0728
Target/Specificity	DST (NP_899236, 401 a.a. ~ 500 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 kDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	DST Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

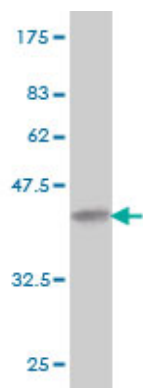
Background

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.

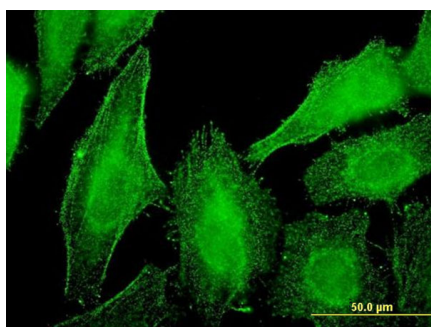
References

1.Dystonin/Bpag1 is a necessary endoplasmic reticulum/nuclear envelope protein in sensory neurons.Young KG, Kothary R.Exp Cell Res. 2008 Sep 10;314(15):2750-61. Epub 2008 Jul 3.

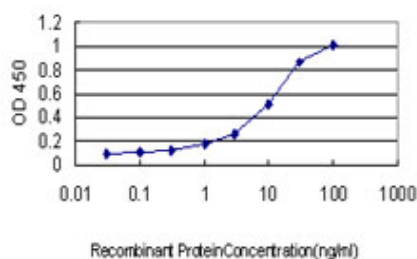
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



Immunofluorescence of monoclonal antibody to DST on HeLa cell . [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged DST is approximately 0.1ng/ml as a capture antibody.

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