10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DST Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant DST.
Catalog # AT1822a

Specification

DST Antibody (monoclonal) (M01) - Product Information

Application	**IF, WB, E**
Primary Accession	Q03001
Other Accession	NM_183380
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**860662**

DST Antibody (monoclonal) (M01) - 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

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.

DST Antibody (monoclonal) (M01) - Protocols

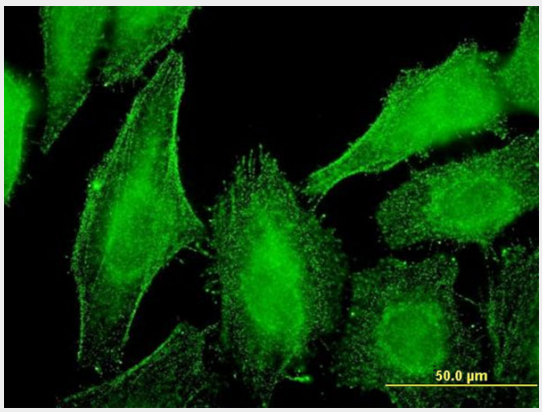
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

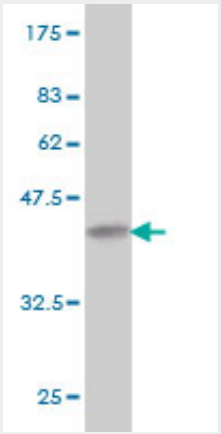
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

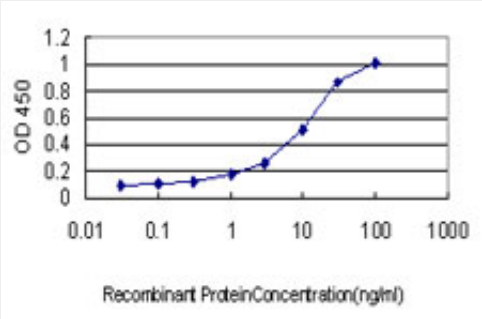
DST Antibody (monoclonal) (M01) - Images



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



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



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

DST Antibody (monoclonal) (M01) - 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.

DST Antibody (monoclonal) (M01) - 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.