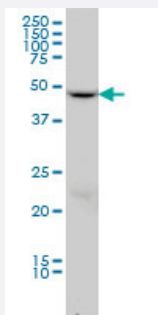


DCTN2 monoclonal antibody (M01), clone 2G7

Catalog # H00010540-M01

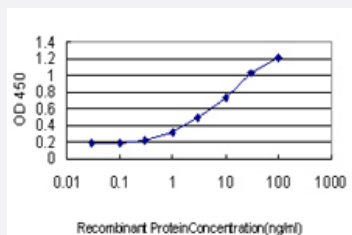
Size 100 ug

Applications



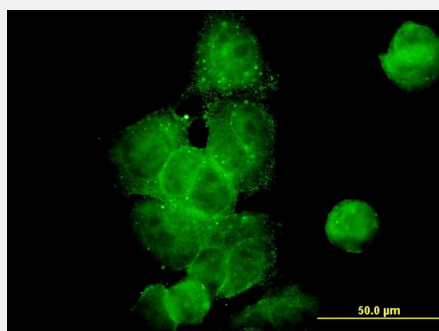
Western Blot (Cell lysate)

DCTN2 monoclonal antibody (M01), clone 2G7 Western Blot analysis of DCTN2 expression in MCF-7 (Cat # L046V1).



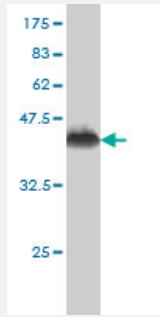
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged DCTN2 is approximately 0.3ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to DCTN2 on MCF-7 cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant DCTN2.
Immunogen	DCTN2 (AAH00718, 302 a.a. ~ 401 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	DADTQSKVHQLYETIQRWSPASTLPPELVQRLVTIKLHEQAMQFGQLLTHLDTTQQMIANSLKDNTLLTQVQTTMRENLATVEGNFASIDERMKKLGK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (95)
Isotype	IgG1 lambda
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

DCTN2 monoclonal antibody (M01), clone 2G7 Western Blot analysis of DCTN2 expression in MCF-7 (Cat # L046V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged DCTN2 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to DCTN2 on MCF-7 cell . [antibody concentration 10 ug/ml]

Gene Info — DCTN2

Entrez GeneID [10540](#)

GeneBank Accession# [BC000718](#)

Protein Accession# [AAH00718](#)

Gene Name DCTN2

Gene Alias DCTN50, DYNAMITIN, RBP50

Gene Description dynactin 2 (p50)

Omim ID [607376](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a 50-kD subunit of dynactin, a macromolecular complex consisting of 10-11 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. It is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the centripetal movement of lysosomes and endosomes, spindle formation, chromosome movement, nuclear positioning, and axonogenesis. This subunit is present in 4-5 copies per dynactin molecule. It contains three short alpha-helical coiled-coil domains that may mediate association with self or other dynactin subunits. It may interact directly with the largest subunit (p150) of dynactin and may affect p150 in place. [provided by RefSeq]

Other Designations 50 kD dynein-associated polypeptide|dynactin 2|dynactin complex 50 kD subunit