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Datasheet for ABIN1512818
anti-Dynamitin antibody (AA 50-320)

4 Images

Overview

Quantity:	100 µg
Target:	Dynamitin (DCTN2)
Binding Specificity:	AA 50-320
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dynamitin antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 50-320 of human DCTN2 (NP_006391.1).
Sequence:	HIIVNPNAAY DKFKDKRVGT KGLDFSDRIG KTKRTGYESG EYEMLGEGLG VKETPQQKYQ RLLHEVQELT TEVEKIKTTV KESATEEKLT PVLLAKQLAA LKQQLVASHL EKLLGPDAAI NLTDPDGALA KRLLQLEAT KNSKGGSGGK TTGTPDSSL VTYELHSRPE QDKFSQAAKV AELEKRLTEL ETAVRCDQDA QNPLSAGLQG ACLMETVELL QAKVSALDLA VLDQVEARLQ SVLGKVNEIA KHKASVEDAD TQSKVHQLYE T
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Dynamitin (DCTN2)
Alternative Name:	DCTN2 (DCTN2 Products)
Background:	<p>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 affix p150 in place. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.</p> <p>DCTN2,DCTN50,DYNAMITIN,HEL-S-77,RBP50,Signal Transduction,Cell Biology & Developmental Biology,Cell Cycle,Centrosome,Cytoskeleton,Motor Proteins,Neuroscience,Neurodegenerative Diseases,DCTN2</p>
Molecular Weight:	44 kDa
Gene ID:	10540
UniProt:	Q13561
Pathways:	M Phase , Ribonucleoprotein Complex Subunit Organization

Application Details

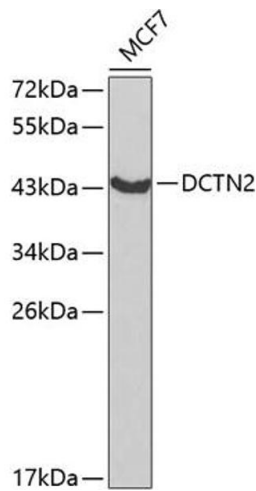
Application Notes:	WB,1:500 - 1:2000,IF,1:20 - 1:50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C

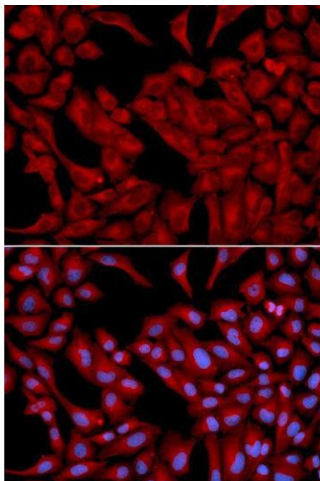
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



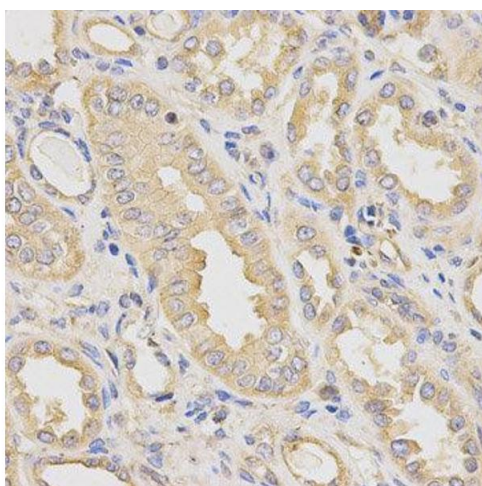
Western Blotting

Image 1. Western blot analysis of extracts of MCF-7 cells, using DCTN2 antibody (ABIN3023198, ABIN3023199, ABIN1512818 and ABIN6219434) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST.



Immunofluorescence

Image 2. Immunofluorescence analysis of U2OS cell using DCTN2 antibody. Blue: DAPI for nuclear staining.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human kidney using DCTN2 antibody at dilution of 1:200 (x400 lens)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1512818.