

Goat anti-Human Dynactin 1 Antibody | anti-DCTN1 antibody

Dynactin 1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76597	Goat	Human	Immunohistochemistry, Western Blot

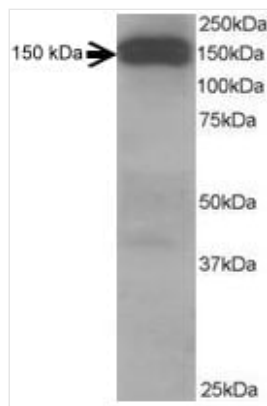
PRODUCT SYNONYMS

Dynactin 1; anti-DCTN1 antibody

PRODUCT SPECIFICATIONS

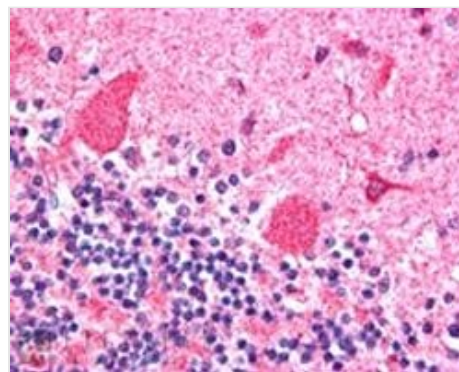
Host	Goat
Reactivity	Human
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	Liquid
Sequence Length	1278
Applicable Applications for anti-DCTN1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthetic peptide: C-QEQLHQLHSRLIS, from the C Terminus of the protein sequence according to NP_004073.2; NP_075408.1; NP_001128512.1; NP_001128513.1.

IMAGES



IHC (Immunohistochemistry)

DCTN1 staining (dilution: 1ug/ml) of Human Testis lysate (RIPA buffer, 35ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



IHC (Immunohistochemistry)

DCTN1 staining (dilution: 2.5ug/ml) staining of human brain tissue, cortex (formalin-fixed paraffin-embedded) followed by biotinylated horse anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen. Protocol on data-sheet.

ADDITIONAL INFORMATION

Related Product Information for anti-DCTN1 antibody	This gene encodes the largest subunit of dynactin (DCTN), 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 interacts with dynein intermediate chain by its domains directly binding to dynein. Alternative splicing of this gene results in at least 2 functionally distinct isoforms: a ubiquitously expressed one and a brain-specific one. Based on its cytogenetic location, this gene is considered as a candidate gene for limb-girdle muscular dystrophy. Defects in DCTN1 are the cause of Perry syndrome (PERRYS) also called parkinsonism with alveolar hypoventilation and mental depression. Perry syndrome is a neuropsychiatric disorder characterized by mental depression not responsive to antidepressant drugs or electroconvulsive therapy, sleep disturbances, exhaustion and marked weight loss.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17375490
NCBI GeneID	1639
UniProt Accession #	Q14203
NCBI Official Full Name	Dynactin subunit 1
NCBI Official Synonym Full Names	dynactin subunit 1
NCBI Official Symbol	DCTN1
NCBI Official Synonym Symbols	P135; DP-150; DAP-150
NCBI Protein Information	dynactin subunit 1
UniProt Protein Name	Dynactin subunit 1
UniProt Gene Name	DCTN1
UniProt Synonym Gene Names	DP-150
UniProt Entry Name	DCTN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.