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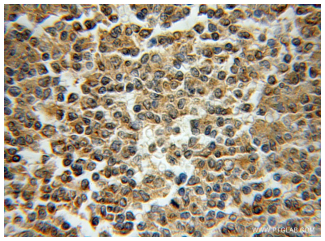
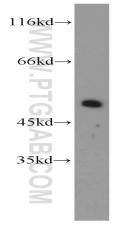
Dynamitin Polyclonal Antibody

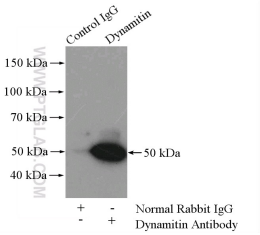
Catalog number: 10030-2-AP
Size: 20 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
DCTN2; DCTN 50, DCTN2, DCTN50, dynactin 2, dynactin 2 (p50), Dynactin subunit 2, DYNAMITIN, p50 dynamitin, RBP50



Immunohistochemical of paraffin-embedded human lymphoma using 10030-2-AP(dynactin-2 antibody) at dilution of 1:50 (under 10x lens)



mouse brain tissue were subjected to SDS PAGE followed by western blot with 10030-2-AP(dynactin-2 antibody) at dilution of 1:800



IP Result of anti-dynactin-2 (IP:10030-2-AP, 4ug; Detection:10030-2-AP 1:500) with mouse brain tissue lysate 4000ug.

Background

Dynamitin is a 50 kDa protein containing a calmodulin binding domain, a putative ATPase domain and MacMARCKS-binding domain. This protein is a part of the dynactin complex believed to link the dynactin complex to membrane compartments. Its functions are tightly associated with dynein motor protein, thus extend to vesicle trafficking and membrane integrity. Dynamitin was named so because its overexpression causes dynactin complex which contains 10 subunits, to disassemble. Its N terminal 58 amino acid is for MacMARCKS binding and residues 59-83 is responsible for calmodulin binding. This antibody is is against the internal region (69-376aa) of full length p50 dynamitin.

Applications

Tested applications:	**ELISA, WB, IHC, IP**
Species specificity:	**Human, Mouse; other species not tested.**
Caculated Dynamitin MW:	**50 kDa**
Observed Dynamitin MW:	**50kd**
Positive WB detected in	**Mouse brain tissue, human brain tissue**
Positive IP detected in	**Mouse brain tissue**
Positive IHC detected in	**Human lymphoma tissue**
Recommended dilution:	**WB: 1:200-1:2000**
	IP: 1:200-1:2000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	**Recombinant Protein**
GenBank accession number:	**BC000718**
Gene ID (NCBI):	**10540**
Full name:	**Dynactin 2 (p50)**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**