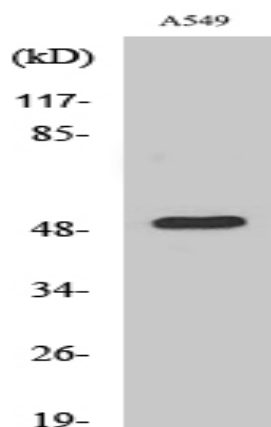


Dynactin 2 Polyclonal Antibody

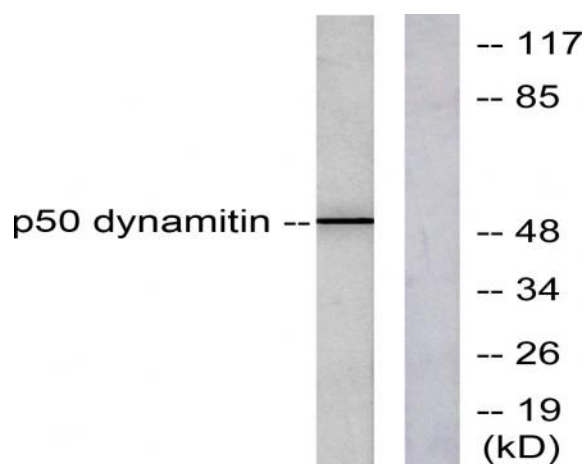
Catalog No :	YT1426
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Dynactin 2
Fields :	>>Vasopressin-regulated water reabsorption;>>Amyotrophic lateral sclerosis;>>Huntington disease;>>Pathways of neurodegeneration - multiple diseases;>>Salmonella infection
Gene Name :	DCTN2
Protein Name :	Dynactin subunit 2
Human Gene Id :	10540
Human Swiss Prot No :	Q13561
Mouse Gene Id :	69654
Mouse Swiss Prot No :	Q99KJ8
Rat Gene Id :	299850
Rat Swiss Prot No :	Q6AYH5
Immunogen :	The antiserum was produced against synthesized peptide derived from human p50 Dynamitin. AA range:341-390
Specificity :	Dynactin 2 Polyclonal Antibody detects endogenous levels of Dynactin 2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	50kD
Cell Pathway :	Huntington's disease;
Background :	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. [provided by RefSeq, May 2012],
Function :	function:Modulates cytoplasmic dynein binding to an organelle, and plays a role in prometaphase chromosome alignment and spindle organization during mitosis. May play a role in synapse formation during brain development.,similarity:Belongs to the dynactin subunit 2 family.,subunit:Subunit of dynactin, a multiprotein complex associated with dynein. Interacts with BICD2 (By similarity). Interacts with MAPRE1.,
Subcellular Location :	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Membrane ; Peripheral membrane protein .
Expression :	Brain,Embryonic kidney,Fetal brain cortex,Placenta,Platelet,Skin,Uterus,
Sort :	5322
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

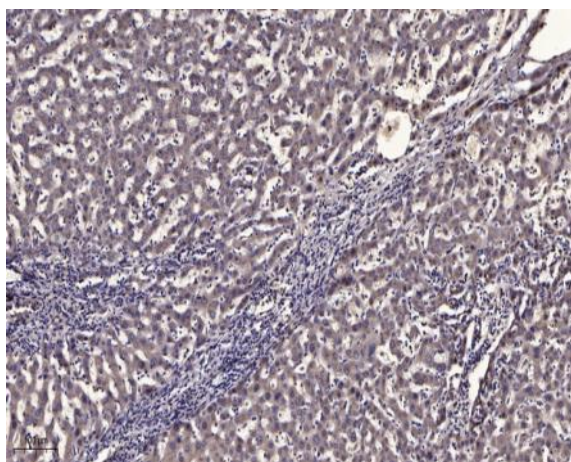
Products Images



Western Blot analysis of various cells using Dynactin 2 Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from A549 cells, using p50 Dynamitin Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).