

## Dynamin I Polyclonal Antibody

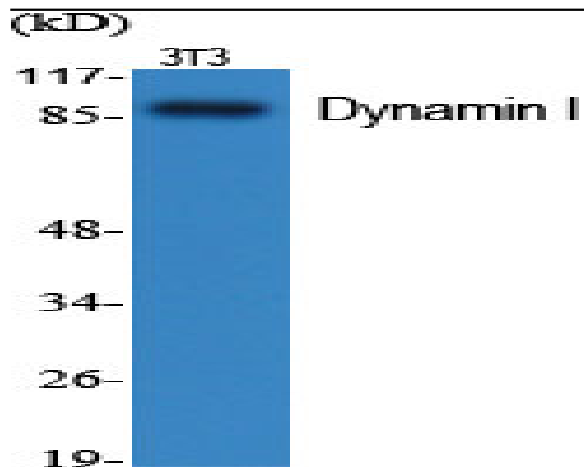
<b>Catalog No :</b>	YT1428
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	Dynamin I
<b>Fields :</b>	>>Phospholipase D signaling pathway;>>Endocytosis;>>Synaptic vesicle cycle;>>Endocrine and other factor-regulated calcium reabsorption;>>Bacterial invasion of epithelial cells
<b>Gene Name :</b>	DNM1
<b>Protein Name :</b>	Dynamin-1
<b>Human Gene Id :</b>	1759
<b>Human Swiss Prot No :</b>	Q05193
<b>Mouse Gene Id :</b>	13429
<b>Mouse Swiss Prot No :</b>	P39053
<b>Rat Gene Id :</b>	140694
<b>Rat Swiss Prot No :</b>	P21575
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human Dynamin-1. AA range:740-789
<b>Specificity :</b>	Dynamin I Polyclonal Antibody detects endogenous levels of Dynamin I protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200

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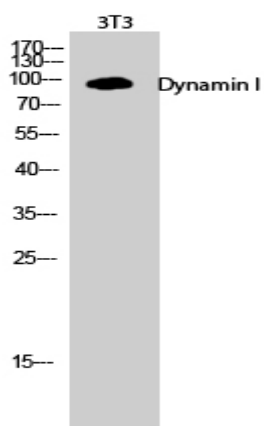
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	97kD
<b>Cell Pathway :</b>	Endocytosis;Fc gamma R-mediated phagocytosis;
<b>Background :</b>	dynamin 1(DNM1) Homo sapiens This gene encodes a member of the dynamin subfamily of GTP-binding proteins. The encoded protein possesses unique mechanochemical properties used to tubulate and sever membranes, and is involved in clathrin-mediated endocytosis and other vesicular trafficking processes. Actin and other cytoskeletal proteins act as binding partners for the encoded protein, which can also self-assemble leading to stimulation of GTPase activity. More than sixty highly conserved copies of the 3' region of this gene are found elsewhere in the genome, particularly on chromosomes Y and 15. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008],
<b>Function :</b>	catalytic activity:GTP + H(2)O = GDP + phosphate.,function:Microtubule-associated force-producing protein involved in producing microtubule bundles and able to bind and hydrolyze GTP. Most probably involved in vesicular trafficking processes, in particular endocytosis.,similarity:Belongs to the dynamin family.,similarity:Contains 1 GED domain.,similarity:Contains 1 PH domain.,subcellular location:Microtubule-associated.,subunit:Interacts with CAV1 and SH3GLB1. Binds SH3GL1, SH3GL2 and SH3GL3.,
<b>Subcellular Location :</b>	Cytoplasm . Cytoplasm, cytoskeleton . Microtubule-associated.
<b>Expression :</b>	Brain,Platelet,PNS,

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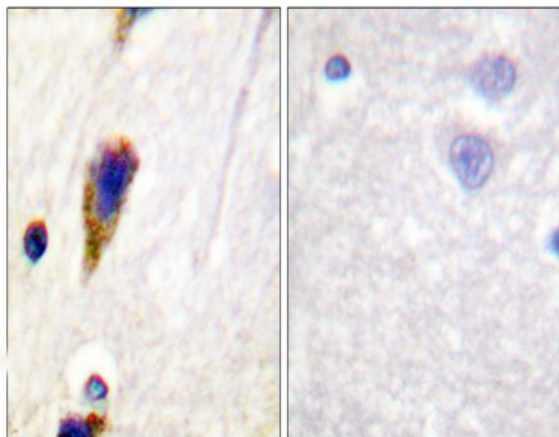
## Products Images



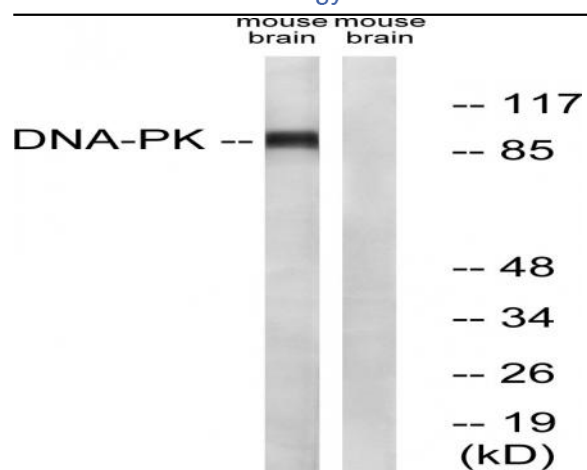
Western Blot analysis of various cells using Dynamin I Polyclonal Antibody



Western Blot analysis of 3T3 cells using Dynamin I Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Dynamin-1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from mouse brain, using Dynamin-1 Antibody. The lane on the right is blocked with the synthesized peptide.