



Dynamin I Polyclonal Antibody

Catalog No	BYab-00693
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	DNM1
Protein Name	Dynamin-1
Immunogen	The antiserum was produced against synthesized peptide derived from human Dynamin-1. AA range:740-789
Specificity	Dynamin I Polyclonal Antibody detects endogenous levels of Dynamin I protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DNM1; DNM; Dynamin-1
Observed Band	97kD
Cell Pathway	Cytoplasm . Cytoplasm, cytoskeleton . Microtubule-associated.
Tissue Specificity	Brain,Platelet,PNS,
Function	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.,
Background	dynamin 1(DNM1) Homo sapiens This gene encodes a member of the dynamin subfamily of GTP-binding proteins. The encoded protein possesses

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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],

matters needing attention

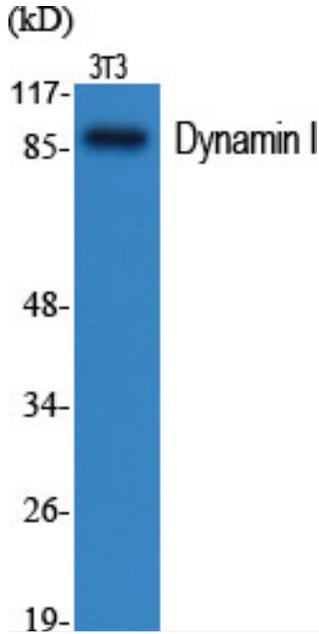
Avoid repeated freezing and thawing!

Usage suggestions

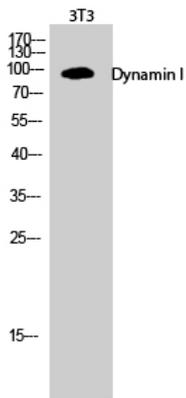
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



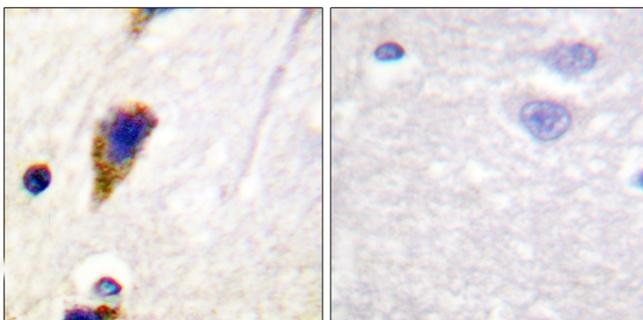
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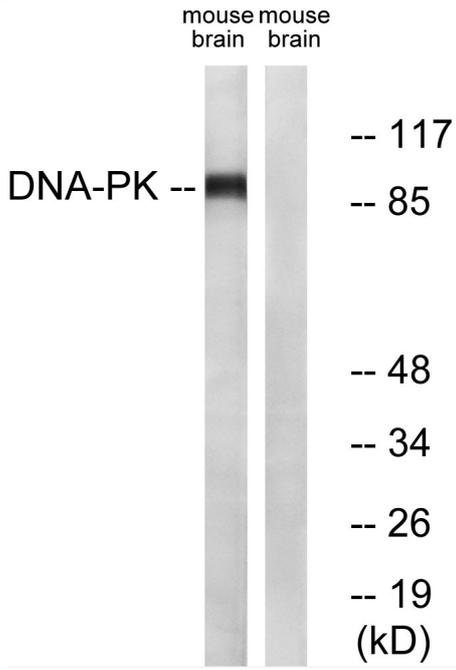
Western Blot analysis of various cells using Dynamin I Polyclonal Antibody



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.