

**DATASHEET**

**Dynamin 2 Rabbit Polyclonal Antibody**

CAT. NO. APA13798

**KEY FEATURES**

Target	Dynamin 2	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

**BACKGROUND**

Catalyzes the hydrolysis of GTP and utilizes this energy to mediate vesicle scission at plasma membrane during endocytosis and filament remodeling at many actin structures during organization of the actin cytoskeleton . Plays an important role in vesicular trafficking processes, namely clathrin-mediated endocytosis (CME), exocytic and clathrin-coated vesicle from the trans-Golgi network, and PDGF stimulated macropinocytosis . During vesicular trafficking process, associates to the membrane, through lipid binding, and self-assembles into ring-like structure through oligomerization to form a helical polymer around the vesicle membrane and leading to vesicle scission .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

Description	Rabbit polyclonal antibody to Dynamin 2
Specificity	Recognizes endogenous levels of Dynamin 2 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide of human Dynamin 2
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 97; Observed: 110 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	DYN2; Dynamin-2
Gene Symbol	DNM2
Entrez Gene	1785(Human); 13430(Mouse); 25751(Rat)
SwissProt	P50570(Human); P39054(Mouse); P39052(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

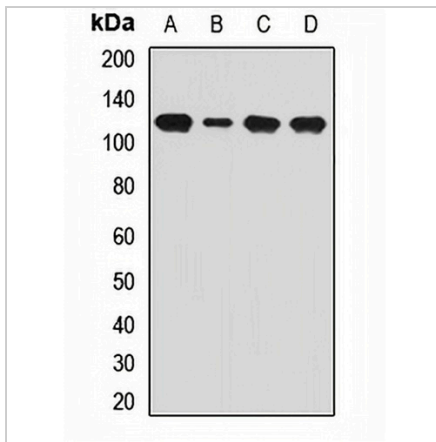
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**



Western blot analysis of Dynamin 2 expression in MCF7 (A), SKOV3 (B), mouse heart (C), rat brain (D) whole cell lysates. (Predicted band size: 97; 98 kD; Observed band size: 110 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.