

Recombinant

DGRmAb®

**Dynamin-2 (DGR35836) Rabbit mAb**

db11304

Package : 10µL 20µL 50µL 100µL

**Product Name** : Dynamin-2 (DGR35836) Rabbit mAb**Cat.No.:** db11304**Synonyms** : DYN2; CMT2M; DYNII; LCCS5; CMTDI1; CMTDIB; DI-CMTB**Application** : WB, IHC-P, ICC/IF**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**Background**

Dynamins represent one of the subfamilies of GTP-binding proteins. These proteins share considerable sequence similarity over the N-terminal portion of the molecule, which contains the GTPase domain. Dynamins are associated with microtubules. They have been implicated in cell processes such as endocytosis and cell motility, and in alterations of the membrane that accompany certain activities such as bone resorption by osteoclasts. Dynamins bind many proteins that bind actin and other cytoskeletal proteins. Dynamins can also self-assemble, a process that stimulates GTPase activity. Five alternatively spliced transcripts encoding different proteins have been described. Additional alternatively spliced transcripts may exist, but their full-length nature has not been determined. [provided by RefSeq, Jun 2010]

**Immunogen**

A synthetic peptide of human Dynamin-2

**Gene ID**

1785, 13430, 25751

**Swiss Prot**

P50570, P39054, P39052

**Synonyms**

DYN2; CMT2M; DYNII; LCCS5; CMTDI1; CMTDIB; DI-CMTB

**Reactivity**

Human,Mouse,Rat

**Application**

WB, IHC-P, ICC/IF

**Recommended dilution**

WB: 1:1000

IHC-P: 1:50-1:100

ICC/IF: 1:50

**Calculated MW**

98 kDa

**Observed MW**

98 kDa

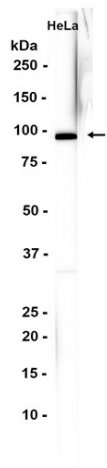
**Host species**

Rabbit

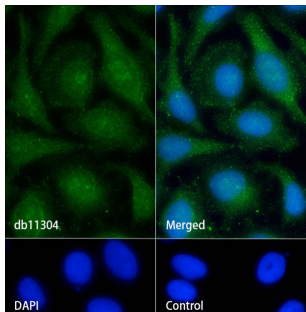
**Clonality**

Monoclonal

Clonality No.	DGR35836
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from HeLa cells using db11304 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling Dynamin-2 with db11304.

The cells were fixed with cold 100% methanol (10min, 4°C) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db11304 (1:50) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.