

Datasheet for ABIN7601862
anti-DNM2 antibody (AA 498-785)



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Overview

Quantity:	100 µg
Target:	DNM2
Binding Specificity:	AA 498-785
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DNM2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Dynamin 2/DNM2 Antibody Picoband®
Immunogen:	E.coli-derived human Dynamin 2/DNM2 recombinant protein (Position: N498-R785).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Dynamin 2/DNM2 Antibody Picoband® (ABIN7601862). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	DNM2
Alternative Name:	DNM2 (DNM2 Products)
Background:	Synonyms: Dynamin-2, DNM2, DYN2 Tissue Specificity: Ubiquitously expressed. Background: Dynamin-2 is a protein that in humans is encoded by the DNM2 gene. 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.
Molecular Weight:	100 kDa
Gene ID:	1785
UniProt:	P50570
Pathways:	Toll-Like Receptors Cascades

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. "Entrez Gene: DNM2 dynamin 2". 2. Diatloff-Zito C, Gordon AJ, Duchaud E, Merlin G (Nov 1995). "Isolation of an ubiquitously expressed cDNA encoding human dynamin II, a member of the large GTP-binding protein family". Gene. 163 (2): 301-6. 3. Klocke R, Augustin A, Ronsiek M, Stief A, van der Putten H, Jockusch H (Jul 1997). "Dynamin genes Dnm1 and Dnm2 are located on proximal mouse chromosomes 2 and 9, respectively". Genomics. 41 (2): 290-2.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.