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Datasheet for ABIN7150829

anti-Dynamin 1-Like antibody (AA 496-710)

3 Images

Overview

Quantity:	100 µg
Target:	Dynamin 1-Like (DNM1L)
Binding Specificity:	AA 496-710
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dynamin 1-Like antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Dynamin-1-like protein (496-710AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	Dynamin 1-Like (DNM1L)
Alternative Name:	DNM1L (DNM1L Products)
Background:	Background: Functions in mitochondrial and peroxisomal division. Mediates membrane fission through oligomerization into membrane-associated tubular structures that wrap around the

Target Details

scission site to constrict and sever the mitochondrial membrane through a GTP hydrolysis-dependent mechanism. Through its function in mitochondrial division, ensures the survival of at least some types of postmitotic neurons, including Purkinje cells, by suppressing oxidative damage. Required for normal brain development, including that of cerebellum. Facilitates developmentally regulated apoptosis during neural tube formation. Required for a normal rate of cytochrome c release and caspase activation during apoptosis, this requirement may depend upon the cell type and the physiological apoptotic cues. Also required for mitochondrial fission during mitosis. Required for formation of endocytic vesicles. Proposed to regulate synaptic vesicle membrane dynamics through association with BCL2L1 isoform Bcl-X(L) which stimulates its GTPase activity in synaptic vesicles, the function may require its recruitment by MFF to clathrin-containing vesicles. Required for programmed necrosis execution.

Aliases: DLP1 antibody, dnm1l antibody, DNM1L_HUMAN antibody, Dnm1p/Vps1p-like protein antibody, dnml1 antibody, DRP1 antibody, DVLP antibody, Dymple antibody, Dynamin 1 like antibody, Dynamin family member proline-rich carboxyl-terminal domain less antibody, Dynamin like protein antibody, Dynamin related protein 1 antibody, Dynamin-1-like protein antibody, Dynamin-like protein 4 antibody, Dynamin-like protein antibody, Dynamin-like protein IV antibody, Dynamin-related protein 1 antibody, DYNIV 11 antibody, EMPF antibody, EMPF1 antibody, FLJ41912 antibody, HdynIV antibody, VPS1 antibody

UniProt: [O00429](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

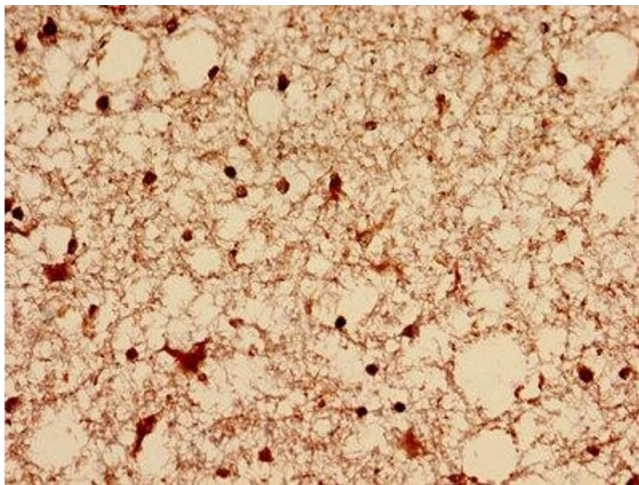
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

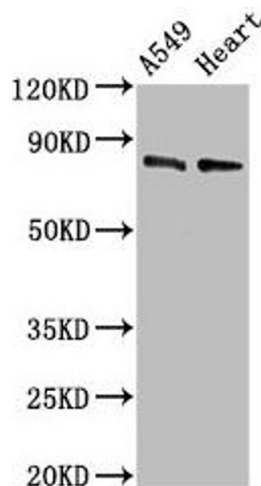
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



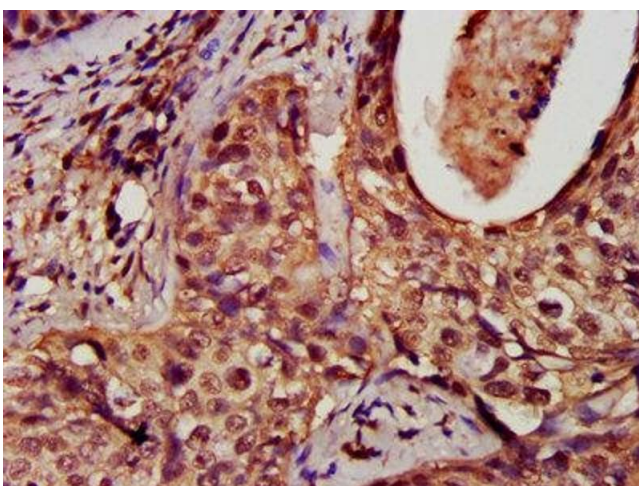
Immunohistochemistry

Image 1. Immunohistochemistry analysis of human brain tissue using ABIN7150829 at dilution of 1:100



Western Blotting

Image 2. Western Blot Positive WB detected in: A549 whole cell lysate, Mouse heart tissue All lanes: DNMI1L antibody at 0.5 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 82, 81, 80, 79, 84, 61, 83 kDa Observed band size: 82 kDa



Immunohistochemistry

Image 3. Immunohistochemistry analysis of human cervical cancer using ABIN7150829 at dilution of 1:100