

NEBL / nebullette Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2975a**Specification**

NEBL / nebullette Antibody (internal region) - Product Information

Application	E
Primary Accession	O76041
Other Accession	NP_998734.1 , NP_001166955.1 , 10529 , 74103 (mouse)
Predicted Host	Human, Mouse, Dog
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	116453

NEBL / nebullette Antibody (internal region) - Additional Information**Gene ID** 10529**Other Names**

Nebulette, Actin-binding Z-disk protein, NEBL, LNEBL

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NEBL / nebullette Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

NEBL / nebullette Antibody (internal region) - Protein Information**Name** NEBL ([HGNC:16932](#))**Function**

Binds to actin and plays an important role in the assembly of the Z-disk. May functionally link sarcomeric actin to the desmin intermediate filaments in the heart muscle sarcomeres (PubMed:27733623).

Isoform 2 might play a role in the assembly of focal adhesion (PubMed:15004028).

Cellular Location

[Isoform 2]: Cytoplasm

Tissue Location

Abundantly expressed in cardiac muscle, but not in skeletal or smooth muscle. Localized to Z-lines in cardiac cells and to dense bodies in nonmuscle cells. Isoform 2 is expressed in non-muscle cells such as in fibroblasts

NEBL / nebulette Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NEBL / nebulette Antibody (internal region) - Images**NEBL / nebulette Antibody (internal region) - Background**

This antibody is expected to recognize isoform 2 and isoform 3 (NP_998734.1; NP_001166955.1) only, but does not recognize isoform 1 (NP_006384.1).

NEBL / nebulette Antibody (internal region) - References

The nebulette repeat domain is necessary for proper maintenance of tropomyosin with the cardiac sarcomere. Bonzo JR, Norris AA, Esham M, Moncman CL, Exp Cell Res. 2008 Nov 15;314(19):3519-30. Epub 2008 Sep 16. PMID: 18823973