

## Goat anti-NEBL / nebulette Antibody

Item Number	dAP-1891
Target Molecule	Principle Name: NEBL / nebulette; Official Symbol: NEBL; All Names and Symbols: NEBL; nebulette; FLJ53769; LNEBL; MGC119746; MGC119747; bA56H7.1; LIM-nebulette; NEBL, actin-binding Z-disc protein; OTTHUMP00000019268; actin-binding Z-disk protein; Accession Number (s): NP_998734.1; NP_001166955.1; Human Gene ID(s): 10529; Non-Human GenelD(s): 74103 (mouse)
Immunogen	ELQRLKRTQE, is from internal region 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).
Applications	Pep ELISA
	Species Tested:
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 4000.
Western Blot	Western Blot: Preliminary experiments gave an approx 30kDa band in Human Brain (Frontal Cortex) lysates, but not in Human, Mouse and Rat Heart lysates after 1µg/ml antibody staining. This protein has a calculated MW of 31.2kDa according to NP_998734.1. T
IHC	
Reference	Reference(s): Bonzo JR, Norris AA, Esham M, Moncman CL, The nebulette repeat domain is necessary for proper maintenance of tropomyosin with the cardiac sarcomere. <i>Exp Cell Res.</i> 2008 Nov 15;314 (19):3519-30. Epub 2008 Sep 16. PMID: 18823973->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**