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diagnostic or therapeutic use.**

EB06201 - Goat Anti-Pericentrin 1 / NUP85 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: NUP85, pericentrin 1, PCNT1, PCN, PCNT, frount, nucleoporin Nup75, nucleoporin 85kDa, FLJ12549, Nup75, nucleoporin 85

Official Symbol: NUP85

Accession Number(s): NP_079120.1

Human GeneID(s): [79902](#)

Non-Human GeneID(s): 18541 (mouse)

Important Comments: Please note that, in contrast to other anti-Pericentrin antibodies available, this ab is NOT expected to recognize Kendrin (also known as Pericentrin 2). This may explain why it recognizes a 75kDa band (the expected size according to NP_079120) and not a 220kDa band (as reported for other anti-pericentrin antibodies).

Immunogen

Peptide with sequence C-ARAIIREGSLEGS, from the C Terminus of the protein sequence according to NP_079120.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx 75kDa band observed in HeLa lysates (calculated MW of 75kDa according to NP_079120.1). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat

Specific References

This antibody has been successfully used in IHC on Rat:

Toyo Ikebukuro et al.

Disulfiram Ophthalmic Solution Inhibited Macrophage Infiltration by Suppressing Macrophage Pseudopodia Formation in a Rat Corneal Alkali Burn Model

Int. J. Mol. Sci. 2023, 24(1), 735; <https://doi.org/10.3390/ijms24010735>

PMID: 0

This antibody has been successfully used in WB and IP on Human:

Toda E, Terashima Y, Sato T, Hirose K, Kanegasaki S, Matsushima K.

FROUNT is a common regulator of CCR2 and CCR5 signaling to control directional migration.

J Immunol. 2009 Nov 15;183(10):6387-94.

PMID: 19841162

EB06201 (1µg/ml) staining of Hela lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.