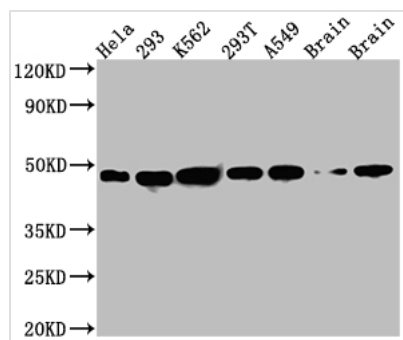




NUDC Recombinant Monoclonal Antibody

Product Code	CSB-RA906015A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q9Y266
Immunogen	A synthesized peptide derived from human NUDC
Species Reactivity	Human, Mouse, Rat
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:5000
Relevance	Plays a role in neurogenesis and neuronal migration (By similarity). Necessary for correct formation of mitotic spindles and chromosome separation during mitosis. Necessary for cytokinesis and cell proliferation.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Neuroscience; Cell biology
Gene Names	NUDC
Clone No.	6C3

Image



Western Blot

Positive WB detected in: HeLa whole cell lysate, 293 whole cell lysate, K562 whole cell lysate, 293T whole cell lysate, A549 whole cell lysate, Rat Brain whole cell lysate, Mouse Brain whole cell lysate

All lanes: NUDC antibody at 1:1000

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 39 kDa

Observed band size: 45 kDa

Description

The NUDC antibody CSB-RA906015A0HU is a rabbit IgG recombinant monoclonal antibody. The acquisition of the HUAC6 monoclonal antibody using the synthesized peptide derived from the human NUDC immunizes animals, the determination of the NUDC monoclonal antibody's DNA sequence, and the cloning of the DNA sequence into the plasmid and subsequent transfection into



cell lines for expression are among the procedures used in its production. Affinity chromatography was used to purify this NUDC antibody. It has been put to the test in a variety of ways, including ELISA and WB. The NUDC protein from human, mouse, and rat samples reacts with this NUDC antibody.

NUDC, a dynein-associated nuclear movement protein, forms a biochemical complex with dynein/dynactin complex components and is involved in nuclear translocation in proliferating neural progenitors and migrating neurons in culture. NUDC regulates microtubule structure at the midzone and midbody, which is important for mitosis and cytokinesis. By stabilizing cofilin 1 in an Hsp90-independent manner, NUDC modulates actin dynamics and cell motility.