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Rabbit Anti-NUDCD3/AP Conjugated antibody

SL13766R-AP

Product Name	Anti-NUDCD3/AP
Chinese Name	碱性磷酸酶（AP）标记的 NUDCD3 蛋白抗体
Alias	KIAA1068; NudC domain containing 3; NudC domain containing protein 3; NudC like protein; NUDCD 3; NudCL; OTTHUMP00000159457; NUDC3_HUMAN; NudC domain-containing protein 3. .
Research Area	Cell biology Developmental biology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Rat(predicted:Mouse,Pig)
Applications	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	41kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human NUDCD3
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** Nuclear migration is essential for growth, development and cellular function of multicellular organisms. NUDCD3 (NudC domain containing 3) is a 361 amino acid protein that contains one CS domain and is phosphorylated upon DNA damage by either ATR or ATM. Ubiquitously expressed, NUDCD3 has been observed to colocalize with Golgi marker proteins during interphase of mitosis in HeLa cells, and is found at low levels in brain, ovary and heart. The

gene encoding NUDCD3 maps to human chromosome 7, which houses over 1,000 genes and comprises nearly 5% of the human genome. Chromosome 7 has been linked to Osteogenesis imperfecta, Pendred syndrome, Lissencephaly, Citrullinemia and Shwachman-Diamond syndrome.

Function:
NUDCD3 functions to maintain the stability of dynein intermediate chain. Depletion of NUDCD3 results in aggregation and degradation of dynein intermediate chain, mislocalization of the dynein complex from kinetochores, spindle microtubules, and spindle poles, and loss of gamma-tubulin from spindle poles. NUDCD3 levels increase after the G1/S transition.

Similarity:
Contains 1 CS domain.

Database links:

Entrez Gene: 23386 Human

Omim: 610296 Human

SwissProt: Q8IVD9 Human

Unigene: 488171 Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.