

For Research Use Only

NCKAP5 Polyclonal antibody

Catalog Number: 31199-1-AP



Basic Information

Catalog Number: 31199-1-AP	GenBank Accession Number: NM_207363	Purification Method: Antigen affinity Purification
Size: 450 ug/ml	GeneID (NCBI): 344148	Recommended Dilutions: WB 1:500-1:1000 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: O14513	
Isotype: IgG	Full Name: Nck-associated protein 5	
Immunogen Catalog Number: AG35092	Calculated MW: 209 kDa Observed MW: 250-260 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : mouse brain tissue, HepG2 cells IF/ICC : U2OS cells,
Species Specificity: human, mouse	

Background Information

NCKAP5 (Nck-associated protein 5), also known as NAP5. NCKAP5 is predicted to be located in cells, especially in nucleoli, Golgi apparatus, cell membrane and cytoplasm. It is widely expressed in many tissues, especially in lung and kidney, and in more than 20 other tissues. And the expression of NCKAP5 was enhanced in oligodendrocytes, oligodendrocyte precursor cells and astrocytes. It may interact with other protein, such as NPM1 and centromere protein complex, and regulate accurate chromosome segregation and distribution. NCKAP5 may be involved in the formation and development of tumors, especially in the process of tumor variation such as ovary and breast cancer. In addition, NCKAP5 may be a diagnostic biomarker in non-small cell lung cancer (NSCLC), which is related to the infiltration of activated B cells, regulatory T cells (Tregs), neutrophils and dendritic cells (PMID: 36628881). The molecular weight of NCKAP5 is 208 kDa, it also has some protein modifications.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

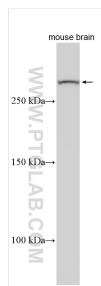
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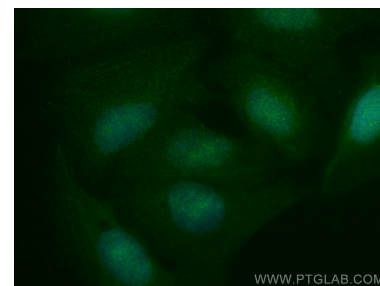
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31199-1-AP (NCKAP5 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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Immunofluorescent analysis of (4% PFA) fixed U2OS cells using NCKAP5 antibody (31199-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).