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CWC22 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10788a

Specification

CWC22 Antibody (N-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	Q9HCG8
Other Accession	NP_065994.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**105466**
Antigen Region	**16-45**

CWC22 Antibody (N-term) - Additional Information

Gene ID 57703

Other Names
Pre-mRNA-splicing factor CWC22 homolog, Nucampholin homolog, fSAPb, CWC22, KIAA1604, NCM

Target/Specificity
This CWC22 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 16-45 amino acids from the N-terminal region of human CWC22.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CWC22 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CWC22 Antibody (N-term) - Protein Information

Name CWC22

Synonyms KIAA1604, NCM

Function Required for pre-mRNA splicing as component of the spliceosome (PubMed:12226669, PubMed:11991638, PubMed:22961380, PubMed:28502770, PubMed:28076346, PubMed:29360106, PubMed:29301961). As a component of the minor spliceosome, involved in the splicing of U12- type introns in pre-mRNAs (Probable). Promotes exon-junction complex (EJC) assembly (PubMed:22959432, PubMed:22961380). Hinders EIF4A3 from non-specifically binding RNA and escorts it to the splicing machinery to promote EJC assembly on mature mRNAs. Through its role in EJC assembly, required for nonsense-mediated mRNA decay.

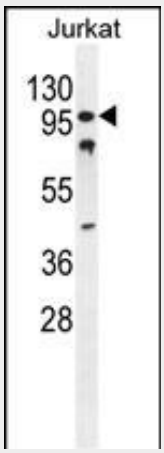
Cellular Location
Nucleus. Nucleus speckle. Note=Concentrates around speckles, which are sites of pre-mRNA synthesis and processing, where it colocalizes with EJC core proteins.

CWC22 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CWC22 Antibody (N-term) - Images



CWC22 Antibody (N-term) (Cat. #AP10788a) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the CWC22 antibody detected the CWC22 protein (arrow).

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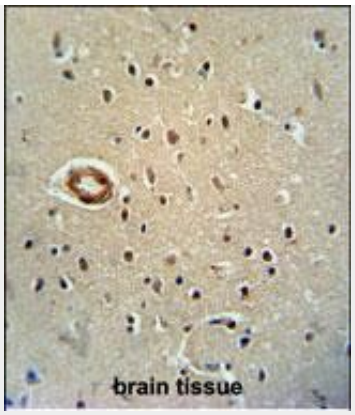
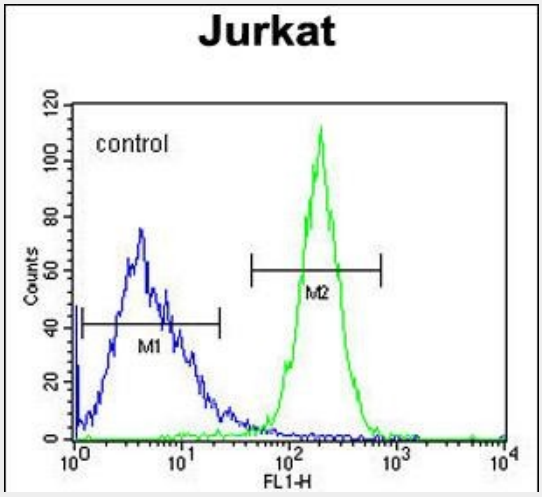


CWC22 antibody (N-term) (Cat. #AP10788a) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CWC22 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



CWC22 Antibody (N-term) (Cat. #AP10788a) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

CWC22 Antibody (N-term) - Background

May be involved in pre-mRNA splicing.

CWC22 Antibody (N-term) - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
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Lehner, B., et al. Genome Res. 14(7):1315-1323(2004)
Jurica, M.S., et al. RNA 8(4):426-439(2002)
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