

CWC22 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10788a**Specification**

CWC22 Antibody (N-term) - Product Information

Application	FC, IHC-P, WB,E
Primary Accession	O9HCG8
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, Nucleopholin 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

FC~~1:10~50

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

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:[11991638](#), PubMed:[12226669](#), PubMed:[22961380](#), PubMed:[28076346](#), PubMed:[28502770](#), PubMed:[29301961](#), PubMed:[29360106](#)). 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.

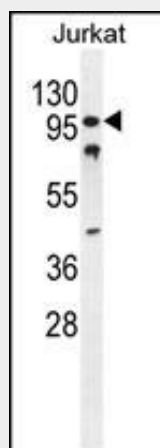
Cellular Location

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

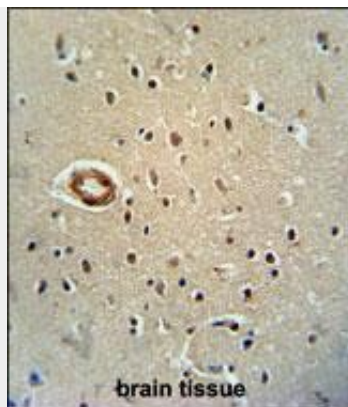
CWC22 Antibody (N-term) - Protocols

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

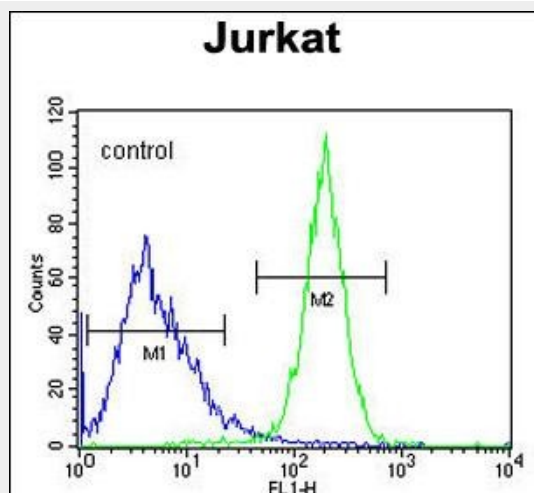
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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).



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 :
- Olsen, J.V., et al. Cell 127(3):635-648(2006)
- Lehner, B., et al. Genome Res. 14(7):1315-1323(2004)
- Jurica, M.S., et al. RNA 8(4):426-439(2002)
- Kelly, W.G., et al. Genetics 146(1):227-238(1997)