

**UNIVERSITAT DE BARCELONA**

**CARACTERITZACIÓ D'UNA PROTEÏNA DE  
55 KDA ASSOCIADA A LA MATRIU NUCLEAR DURANT LA  
PROLIFERACIÓ CEL·LULAR**

**Tesi doctoral presentada per Rosa Maria Aligué i Alemany  
per optar al grau de Doctora en Biologia**

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## ***6. CONCLUSIONS***

1.- La proteïna identificada en la matriu nuclear de les cèl.lules hepàtiques correspon molt probablement a la citoqueratina 8 en base als resultats de:

- Seqüència d'aminoàcids.
- Immunotransferències.

2.- La reacció immunocitoquímica obtinguda amb l'anticòs anti-p55 mostra una tinció intranuclear incompatible amb la distribució acceptada per la citoqueratina 8. Això vol dir que:

- o bé la citoqueratina 8 té una localització intranuclear, fet que seria una novetat.
- o bé, l'anticòs a més de la citoqueratina 8, reconeix una altra proteïna **similar**, localitzada a l'interior dels nucli. Aquesta possible altra proteïna intranuclear està associada a la matriu nuclear.

3.- Els estudis immunocitoquímics emprant l'anticòs anti-p55, en altres teixits distints a l'hepàtic, revelen que aquest reconeix una proteïna de 92 KDa en els testicles i una de 85 KDa en el cervell, ambdues localitzades intranuclearment.

4.- Els estudis realitzats en diferents línies cel.lulars que en alguns casos contenen queratines i en altres no, indiquen que l'anticòs anti-p55 reconeix en totes elles una proteïna de 55-62 KDa, localitzada també intranuclearment.

5.- En les cèl.lules NRK (fibroblasts), en les quals l'estudi de la localització de la p5 s'ha realitzat amb més profunditat, s'observa que la distribució intranuclear és essencialment detectable en cèl.lules activades a proliferar, però no en cèl.lules quiescents.

**6.-** L'increment de la detecció de la p55 en les cèl.lules NBRK activades a proliferar, no és degut a un increment de la proteïna en el nucli si no a una major accessibilitat de la proteïna degut als canvis intranuclears que succeeixen durant l'activació proliferativa.

Tot això, sembla indicar que l'anticòs anti-p55, a més de la citoqueratina 8 reconeix una altre proteïna intranuclear que és més accessible durant l'activació proliferativa.

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