

5-18-63

# Antibodies Localized to the Neuromuscular Synapse

1. AChR
2. AChE AS<sub>1</sub> / AS<sub>2</sub>

~~Baron~~

3. Monoclonal AB #1 Synapse specific AB, denervation results in specificity of antigen

4. " " AB #2 ~~antigen destroyed by Collyerensis, stable this synapse after muscle splitting, blood vessels, & nerve terminal~~

5. " " AB #3 ~~stains best at periphery of synapse, no stain of synaptic clefts, antigen persists after denervation, also stains post cardiac ganglion synapses~~

6. Monoclonal Purified AB at Intermediate Filaments ~~stains all types of Intermediate Filaments, shows abundant antigen at NMJ synapses & muscle cytoplasm (desmin + vimentin) synaptic antigen is different, red fiber~~

7. ~~Lance Monoclonal AB to microfilaments~~ ~~stains NMJ synapse~~ ~~Does not stain muscle cytoplasm~~ ~~Antigen persists in Schwann cell~~ ~~Denervation at synapse cleft~~ ~~found dense, in extrajunctional~~ ~~ie, binds to protein synapse form~~ ~~or stabilizer~~

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8) Rabbit antibody to Y3H Pate

~~Byrne Gardner & Fambro~~

110) Monoclonal AB#33

Binds to Basal Laminar Antigen  
that co-localizes with AchR  
& patches ~~to~~ receptors

Saves

11) Dolichos bifloris Lectin Specific for H  
" NM Synapses

Specific for N-Acetylglucosamine  
residues in glycolipids & glyco-  
proteins & glycosaminoglycans

abundant in Synaptic cleft & junctional folds  
Hd at synaptic sites