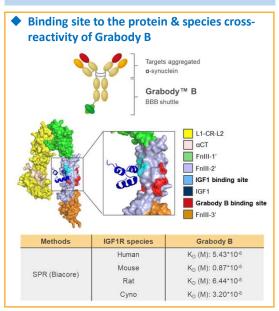
## Improved Delivery of ABL301 into Brain Parenchyma of Parkinson's Disease Mouse Brains via Grabody B, ABL Bio's Proprietary BBB Shuttle

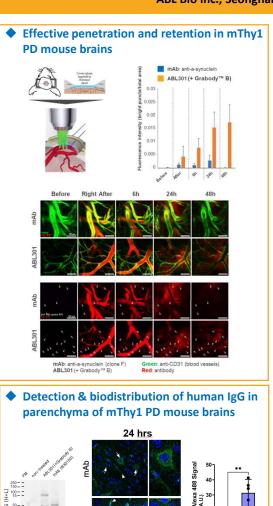
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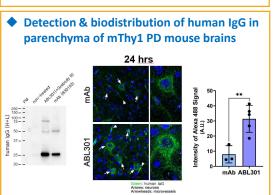
## **Objectives**

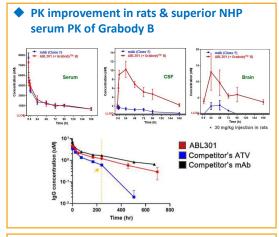
- ABL301 is a bispecific antibody composed of an anti-a-synuclein antibody (M30103) with Grabody B. an anti-IGF1R as the ABL Bio's proprietary BBB technology.
- Previous study demonstrated improved efficacy of ABL301 than M30103 in a mouse model of Parkinson's disease. The current study aims to identify 1) temporal and spatial movement of ABL301 out of brain vessel in a Parkinson's disease animal model. 2) its PK profile, and 3) expression profile of IGF1R in postmortem brains.

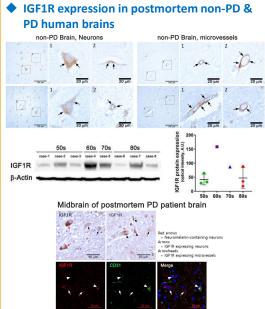
## Results

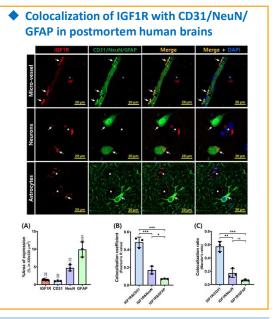












## **Conclusions**

- ABL301 is localized into brain parenchyma. possibly to its target, aggregated a-synuclein with higher degree than M30103.
- ❖ Its superior serum PK comparable to mAb might have contributed to its sustained BBB penetration over time.
- ❖ IGF1R expression in capillary and endothelial cells in postmortem brains partially validates Grabody B's usage as a BBB shuttle in clinical studies.



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