

Selection of reference genes and proteins for expression studies in pediatric gliomas

Sonia Nava-Salazar¹, Oscar A. Pérez-González², Noemí Baranda-Ávila³, Alfonso Marhx-Bracho⁴, Carlos Díaz-Ávalos⁵, Leticia Granados-Rojas⁶, Bryan V. Phillips-Farfán⁷, Mario Perezpeña-Diazconti⁸, Gabriel Gutiérrez-Ospina⁹, America Vanoye-Carlo^{2*}.

¹ Departamento de Inmunobioquímica, Instituto Nacional de Perinatología IER, Secretaría de Salud, 11000 CDMX, Mexico.

² Laboratorio de Oncología Experimental, Instituto Nacional de Pediatría, Secretaría de Salud, 04530 CDMX, Mexico.

³ Departamento de Investigación Básica, Instituto Nacional de Cancerología, Secretaría de Salud, 14080 CDMX, Mexico.

⁴ Departamento de Neurocirugía, Instituto Nacional de Pediatría, Secretaría de Salud, 04530 CDMX, Mexico

⁵ Departamento de Probabilidad y Estadística, IIMAS, UNAM, 04510 CDMX, Mexico.

⁶ Laboratorio de Biomoléculas y Salud Infantil, Instituto Nacional de Pediatría, Secretaría de Salud, 04530 CDMX, Mexico.

⁷ Laboratorio de Nutrición Experimental, Instituto Nacional de Pediatría, Secretaría de Salud, 04530 CDMX, Mexico.

⁸ Departamento de Anatomía Patológica, Instituto Nacional de Pediatría, Secretaría de Salud, 04530 Mexico City, Mexico.

⁹ Laboratorio de Biología de Sistemas, Departamento de Biología Celular y Fisiología, Instituto de Investigaciones Biomédicas, UNAM, 04510, CDMX, México.

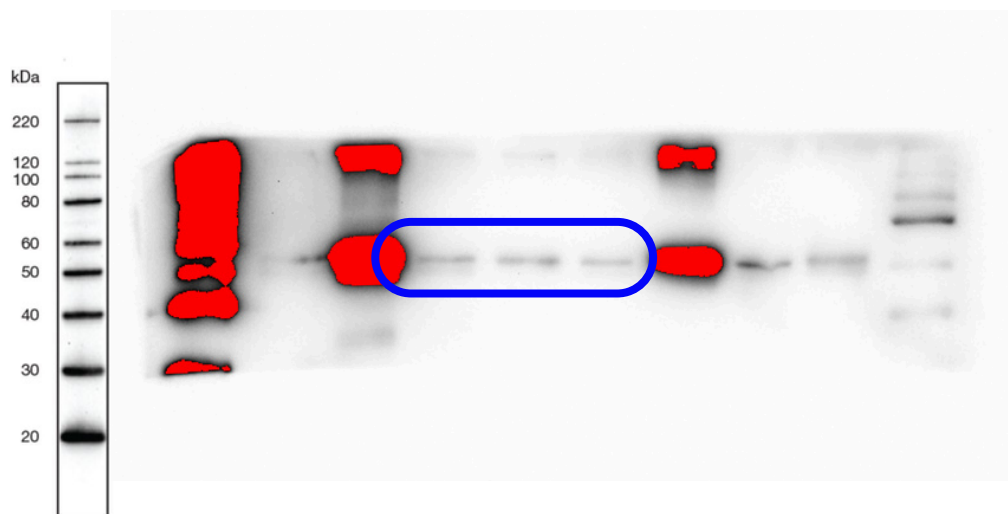
* Correspondence: avanoyecarlo@gmail.com

Supplementary Figures

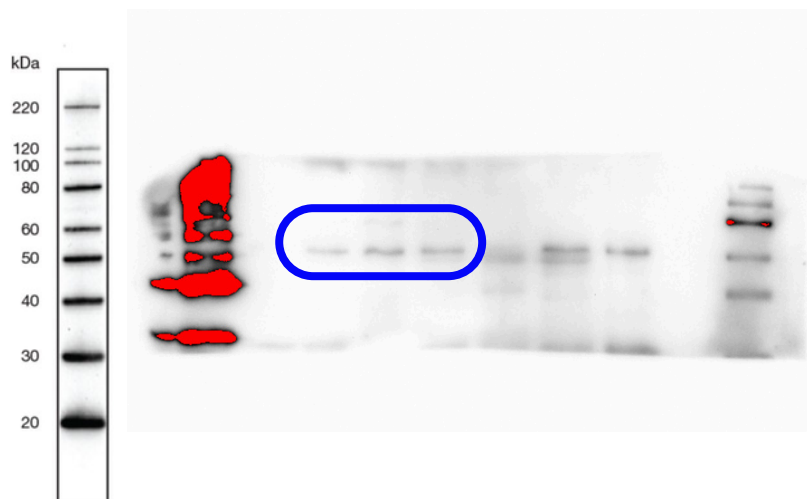
To quantify the protein level, we use an image with a shorter exposure time. In the image shown, the longer exposure time allows the edges of the membranes to be visible, and we include the molecular weights of the proteins. Some membranes were cut to optimize the use of the samples and to be used for another antibody.

Protein: α -Tubulin

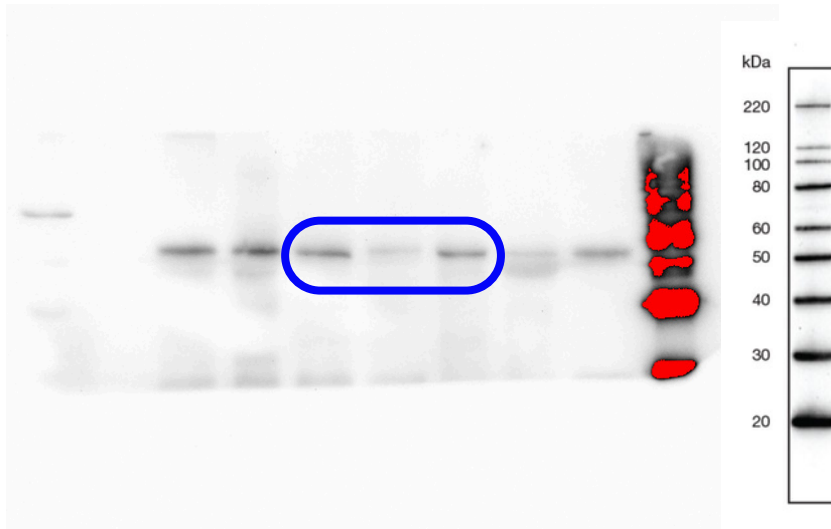
M1: High-Grade Gliomas



M2: Optic Pathway Gliomas

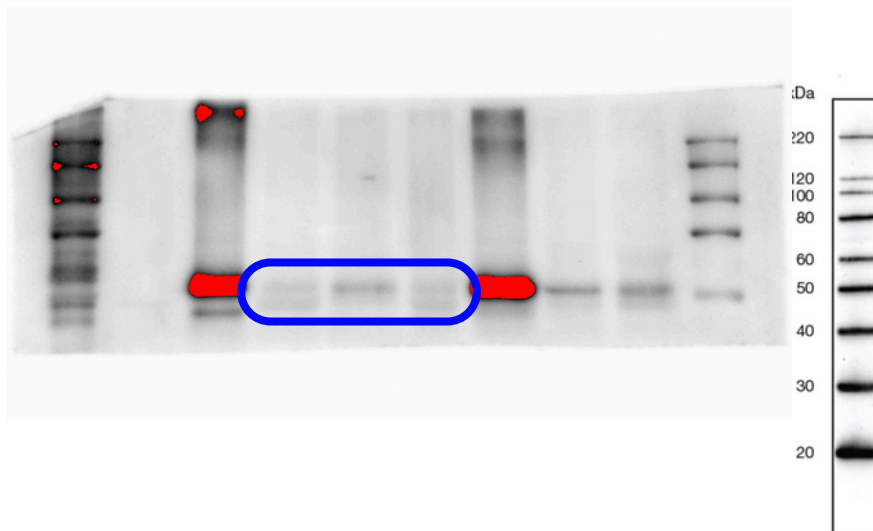


M3: Low-Grade Gliomas

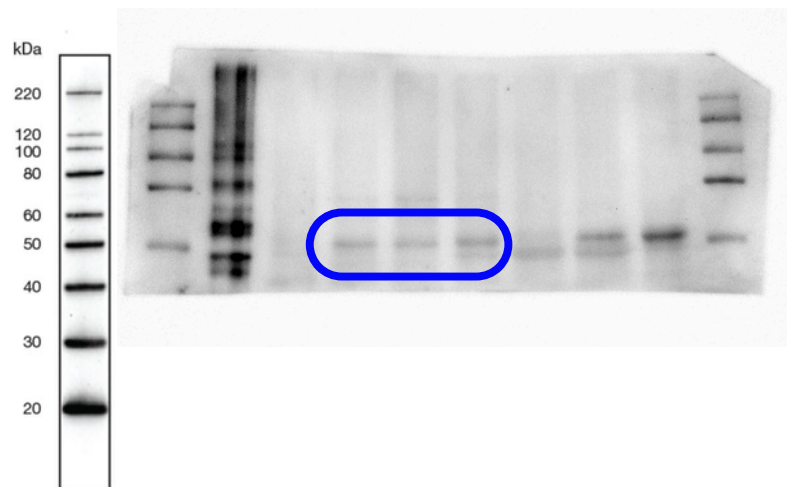


Protein: β -Tubulin

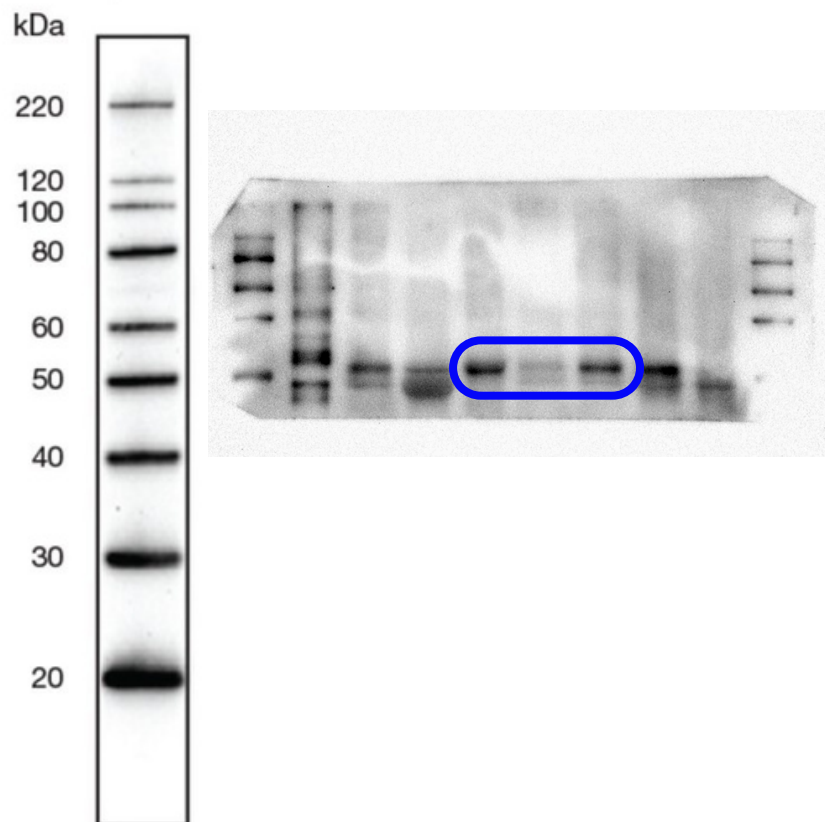
M1: High-Grade Gliomas



M2: Optic Pathway Gliomas



M3: Low-Grade Gliomas

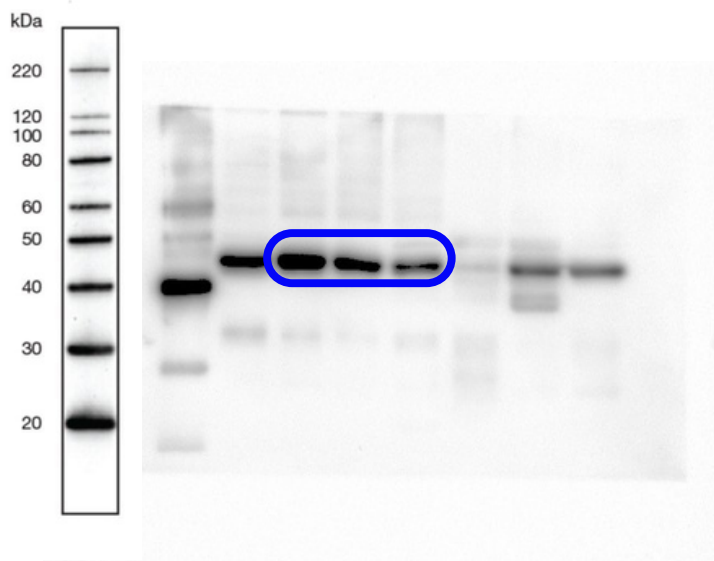


Protein: β -Actin

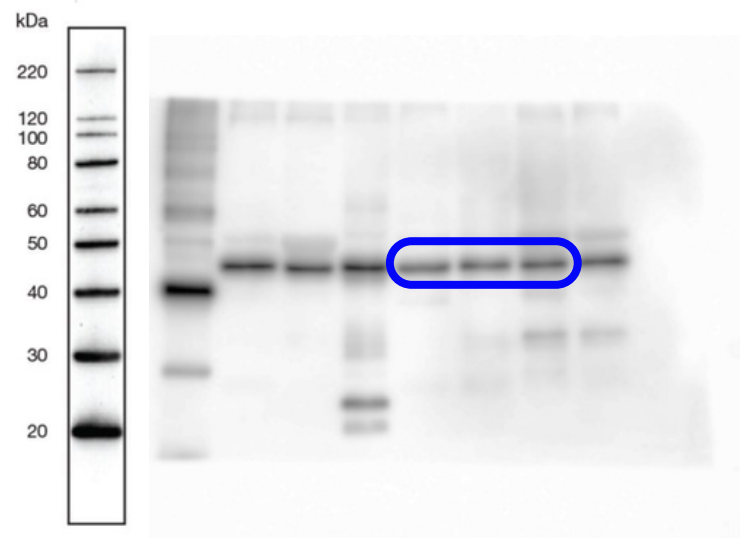
M1: High-Grade Gliomas



M2: Optic Pathway Gliomas



M3: Low-Grade Gliomas

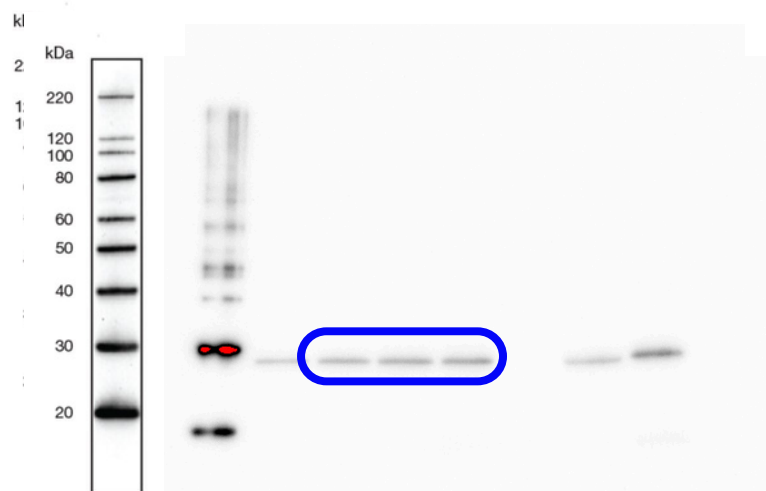


Protein: GAPDH

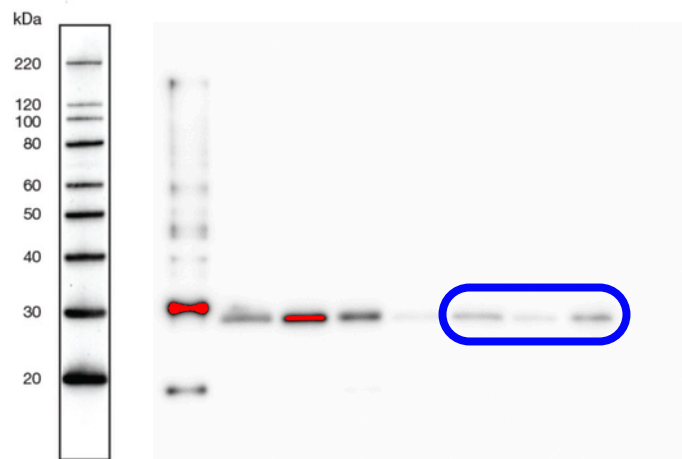
M1: High-Grade Gliomas



M2: Optic Pathway Gliomas

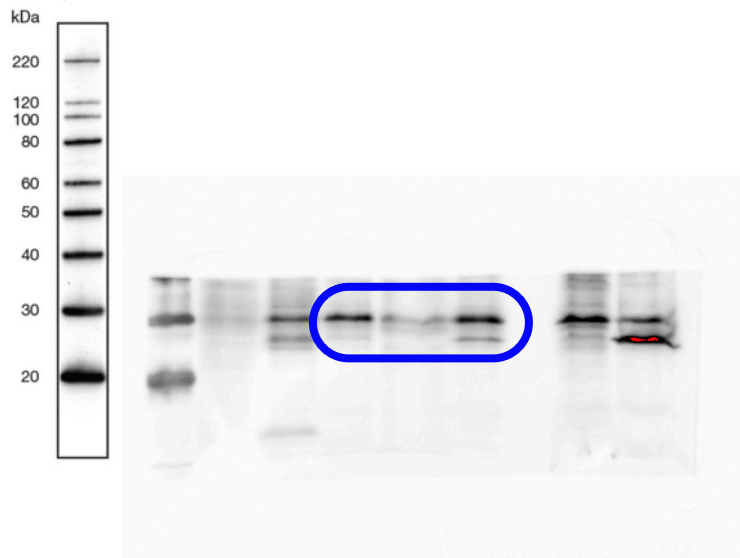


M3: Low-Grade Gliomas

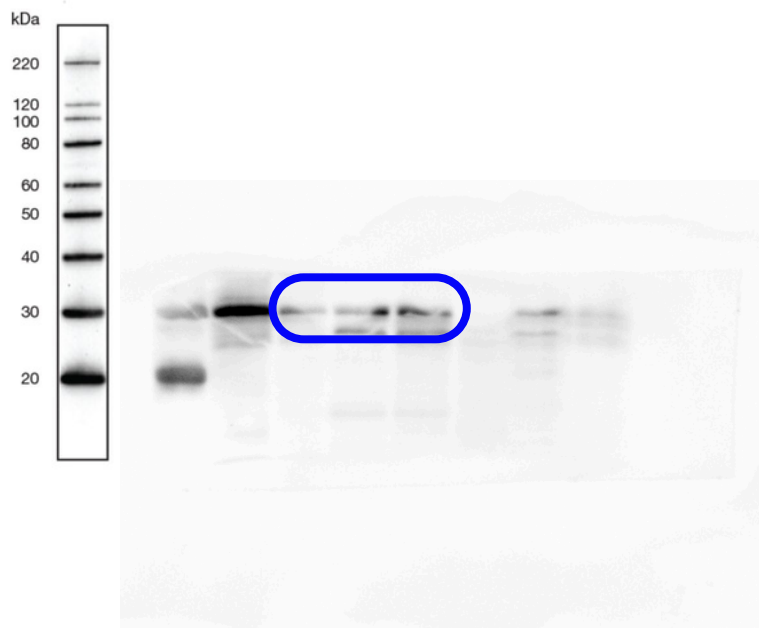


Protein: 18s

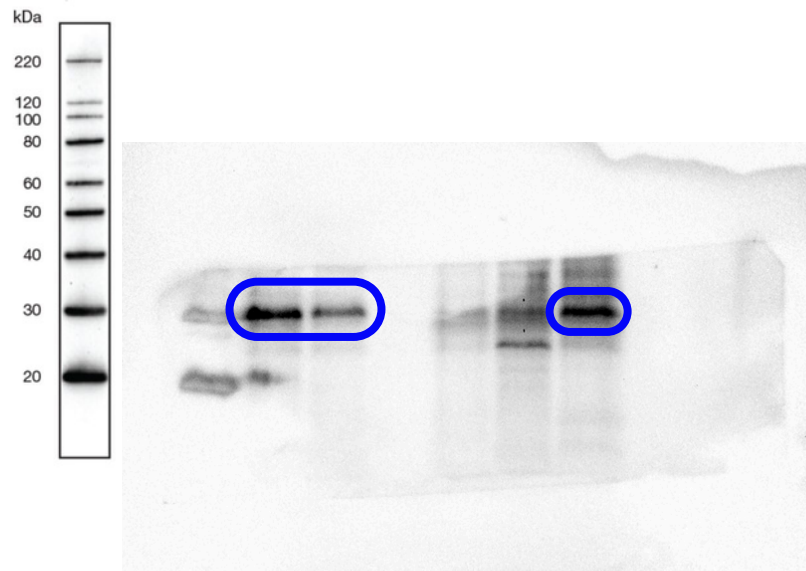
M1: High-Grade Gliomas



M2: Optic Pathway Gliomas

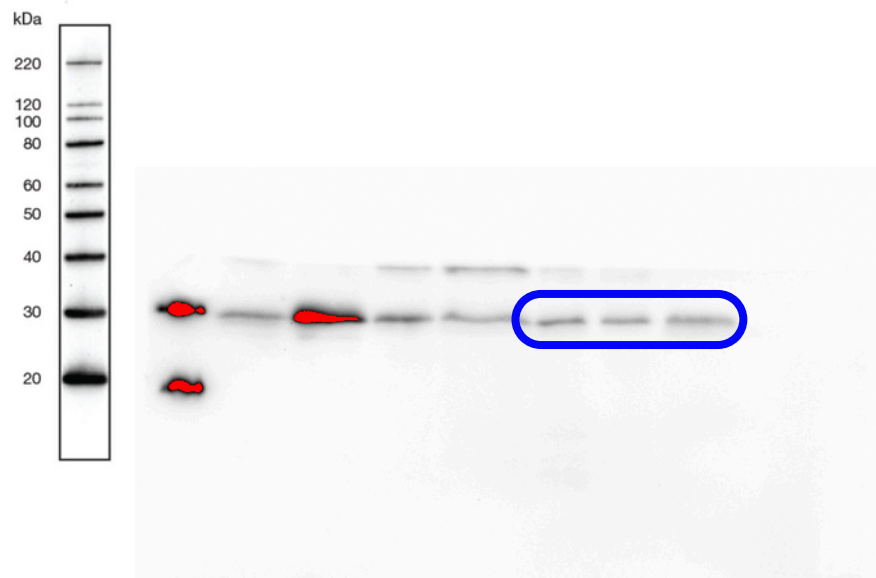


M3: Low-Grade Gliomas

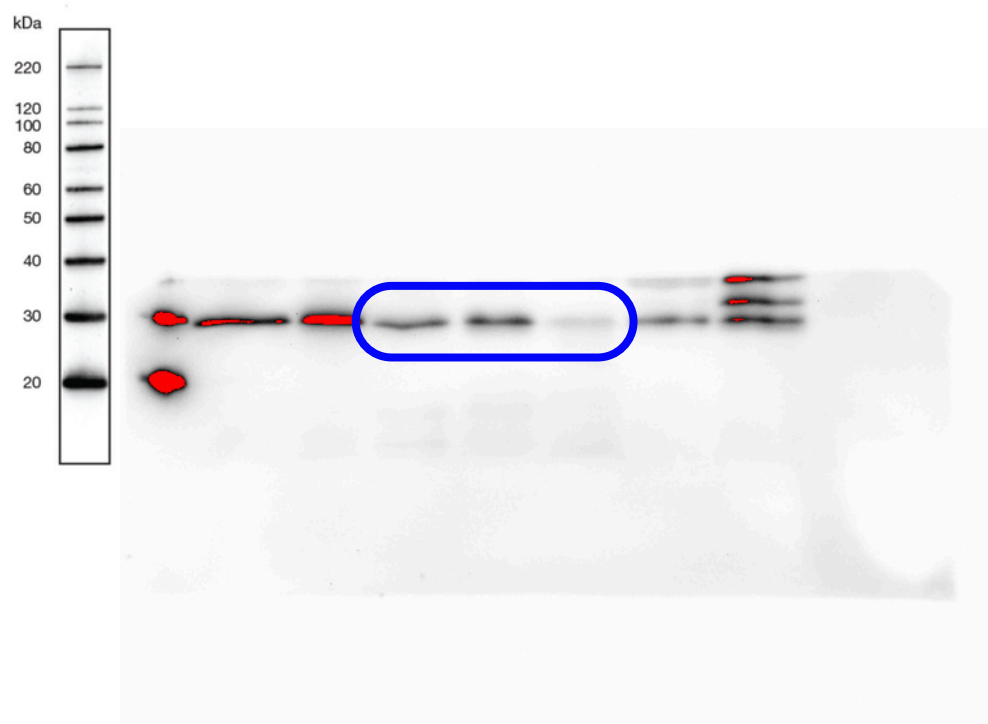


Protein: 14-3-3

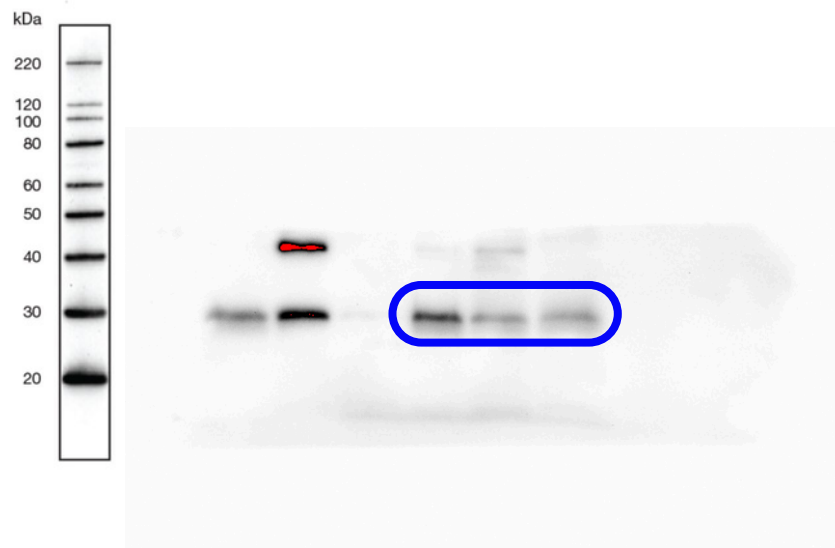
M1: High-Grade Gliomas



M2: Optic Pathway Gliomas

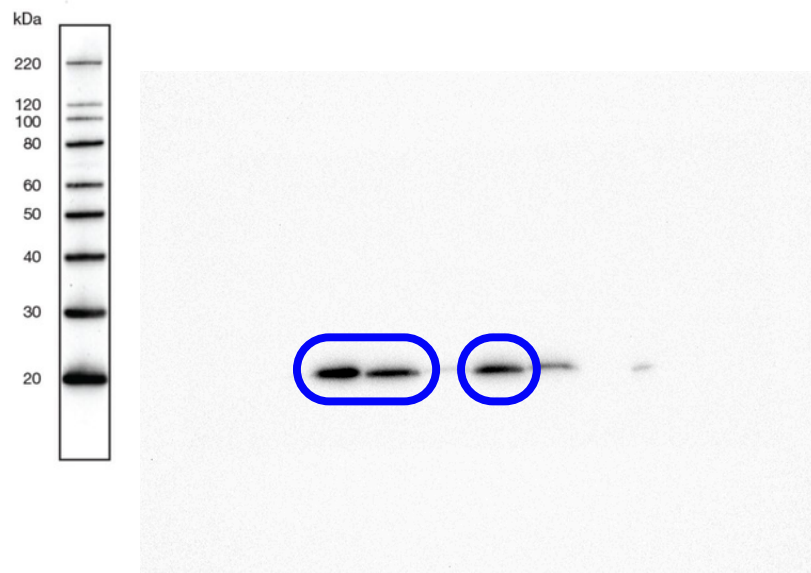


M3: Low-Grade Gliomas



Protein: CypA

M1: High-Grade Gliomas



M2: Optic Pathway Gliomas



M3: Low-Grade Gliomas

