

The present invention relates to an antigen binding protein, in particular a monoclonal antibody, capable of binding specifically to the protein Axl as well as the amino and nucleic acid sequences coding for said protein. From one aspect, the invention relates to an antigen binding protein, or antigen binding fragments, capable of binding specifically to Axl and, by inducing internalization of Axl, being internalized into the cell. The invention also comprises the use of said antigen binding protein as an addressing product in conjugation with other anti-cancer compounds, such as toxins, radio-elements or drugs, and the use of same for the treatment of certain cancers.