

Supplemental information

Antibody characterization, original Western blot and Drawings

Anti-Müllerian hormone (AMH) autocrine signaling promotes survival and proliferation of ovarian cancer cells

Maëva Chauvin^{1,*}, Véronique Garambois¹, Pierre-Emmanuel Colombo^{1,2}, Myriam Chentouf¹, Laurent Gros¹, Jean-Paul Brouillet^{1,3}, Bruno Robert¹, Marta Jarlier¹, Karen Dumas⁴, Pierre Martineau¹, Isabelle Navarro-Teulon¹, David Pépin^{5,6},
Thierry Chardès¹, André Pèlerin^{1,✉}

¹IRCM, Institut de Recherche en Cancérologie de Montpellier, Montpellier, F-34298, France; INSERM, U1194, Montpellier, F-34298, France; Université Montpellier, Montpellier, F-34298, France; Institut régional du Cancer de Montpellier, ICM, Montpellier, F-34298, France;

²Institut régional du Cancer de Montpellier, ICM, Montpellier, F-34298, France;

³Département de Biochimie et Biologie Moléculaire, CHU de Nîmes, Nîmes, France;

⁴SurgiMAB, 10 Parc Club du Millénaire, 1025 Avenue Henri Becquerel, 34000 Montpellier, France

⁵Department of Surgery, Harvard Medical School, Boston, MA, USA

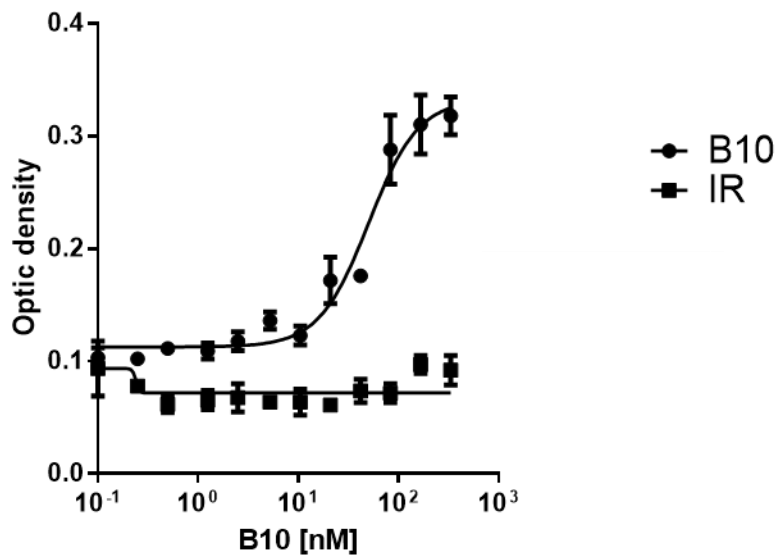
⁶Pediatric Surgical Research Laboratories, Massachusetts General Hospital, Boston, MA, USA

✉Corresponding author at: Institut de Recherche en Cancérologie de Montpellier, Campus Val d'Aurelle, 34298 Montpellier Cedex, France; Tel: +33.4.67.61.30.32; FAX: +33.4.67.61.37.87; Email address: André Pèlerin, andre.pelegrin@inserm.fr

*Present address: Pediatric Surgical Research Laboratories, Massachusetts General Hospital, Boston, MA, USA

S1 : B10 characterization

a



b

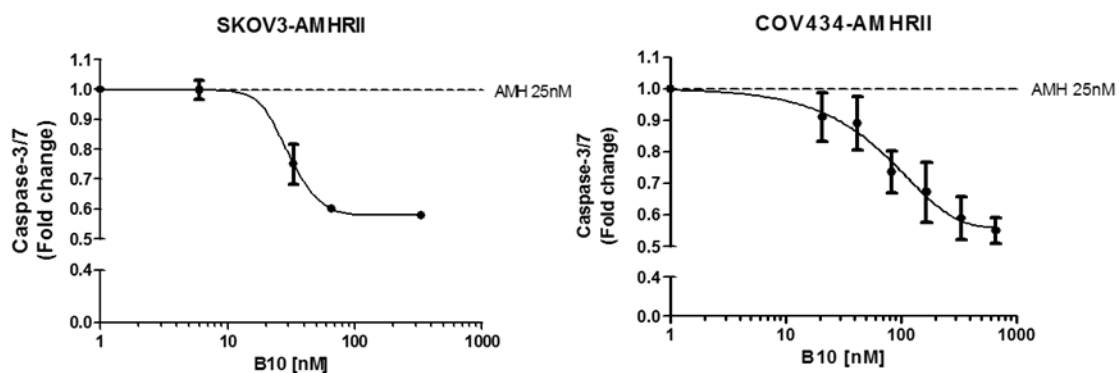


Figure S1. Characterization of the B10 anti-AMH monoclonal antibody. (A) For ELISA assays, plates were coated with an anti-AMH polyclonal antibody (Abcam Cat# ab84952) to capture AMH, and B10 was added at different concentrations to determine its EC₅₀ (50.4±1.2 nM). IR, irrelevant antibody 13R4. (B) B10 inhibits apoptosis induced by incubation with 25 nM LR-AMH in COV434-AMHR11 and SKO3-AMHR11 cells.

S2 : AMH concentration in cell culture supernatants

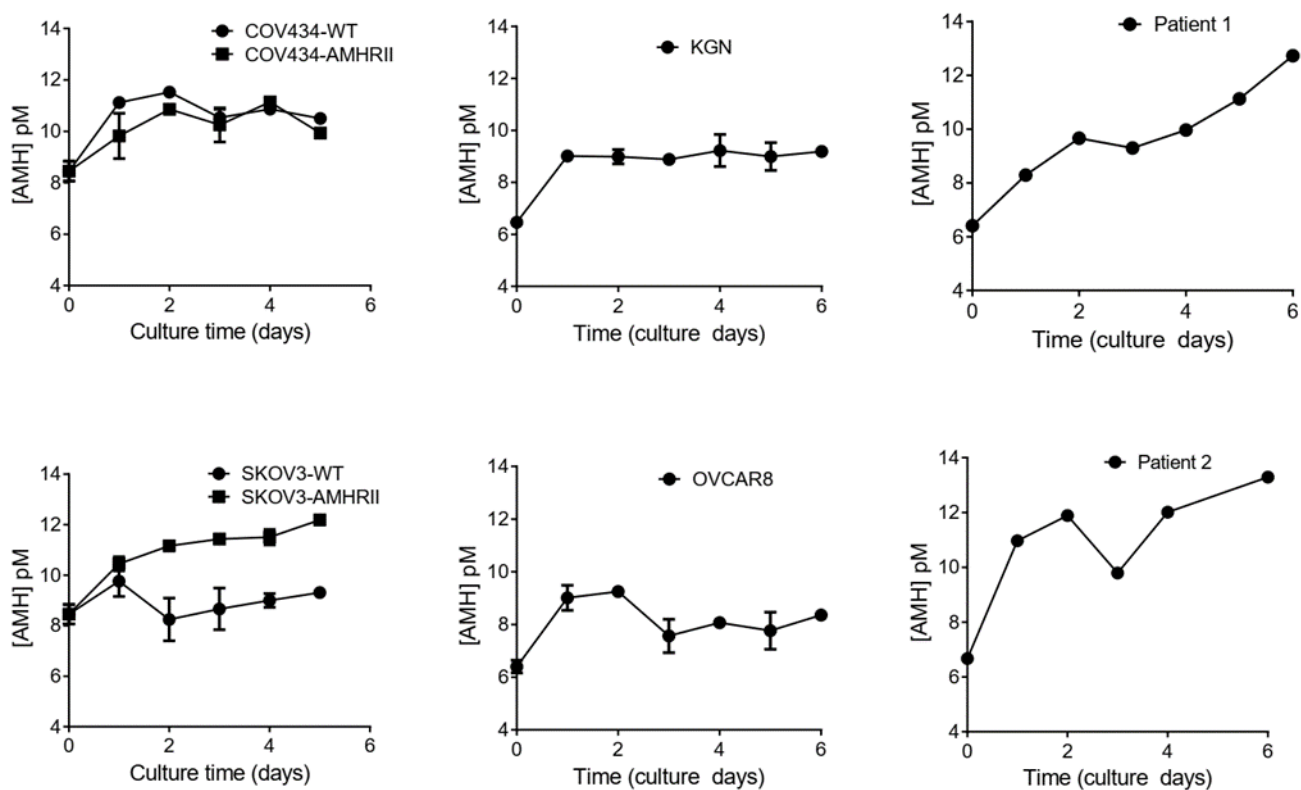


Figure 2. AMH concentration in basal cell cultures. All experiments involving LR-AMH were performed in culture medium containing 1% FBS in which AMH concentration ranged from 6 to 9 pM in fresh medium to about 10 to 15 pM after 5 days of cell culture. For all cell lines, graphs represent two independent experiments (mean±range)

S3 : Original Western Blot

Figure 1_panel b

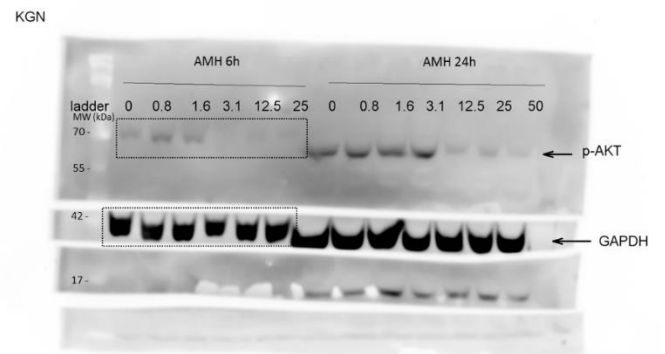
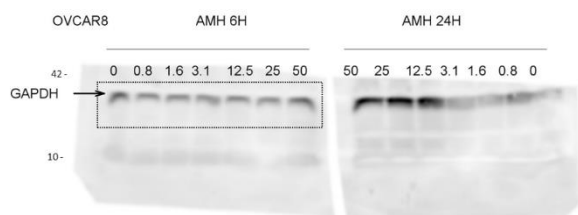
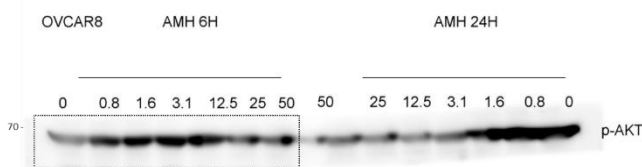
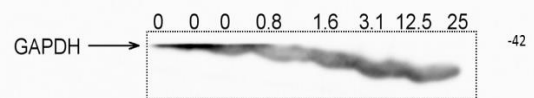
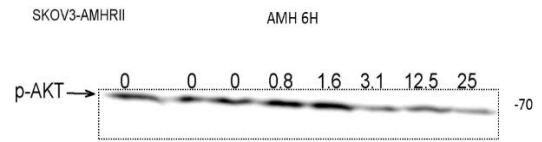
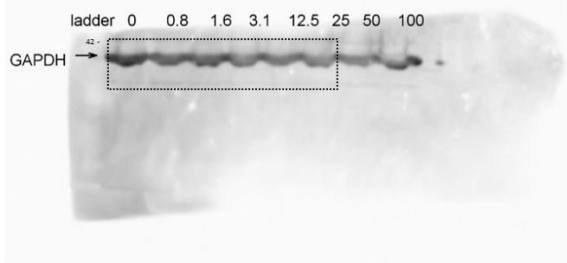
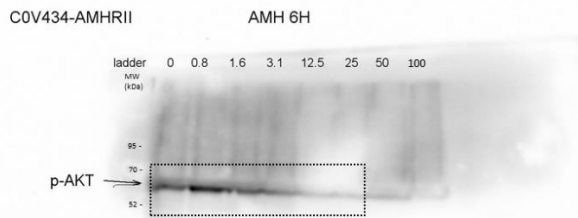
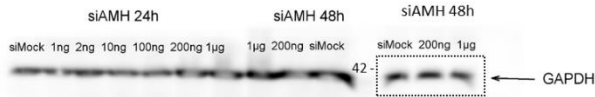
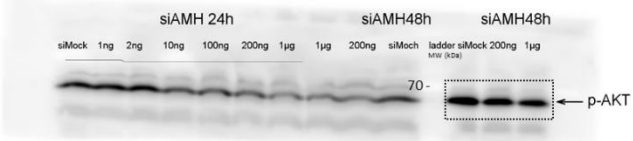
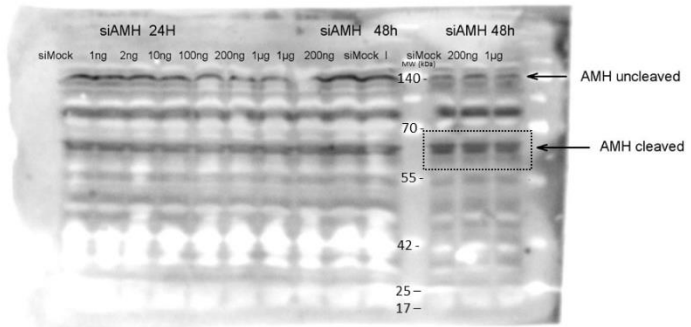


Figure 1_Panel c

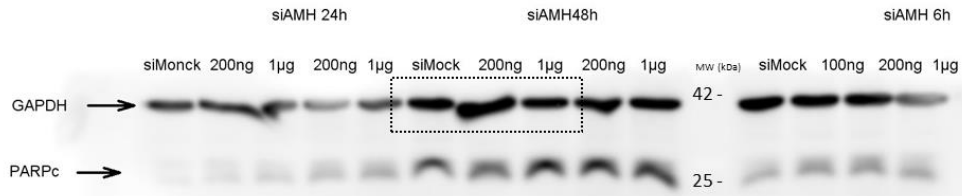
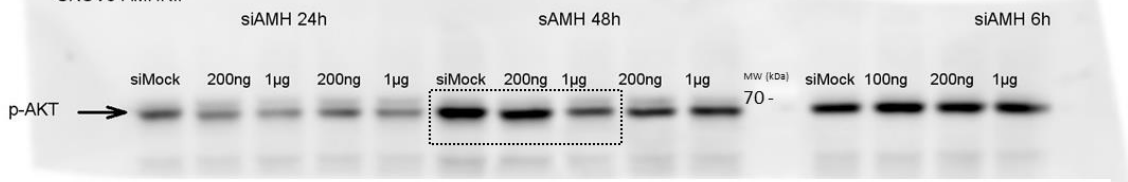
COV434-AMHR11



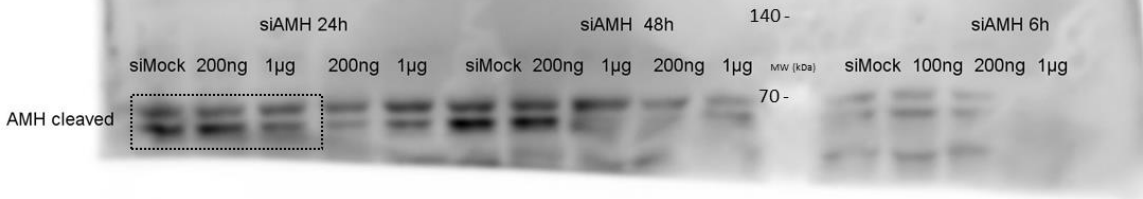
COV434-AMHR11



SKOV3-AMHR11



SKOV3-AMHR11



OVCAR8

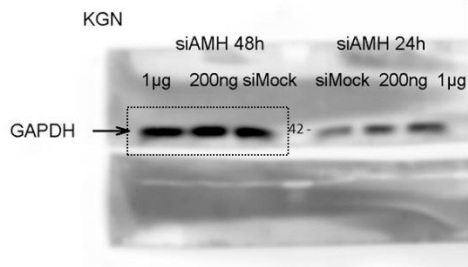
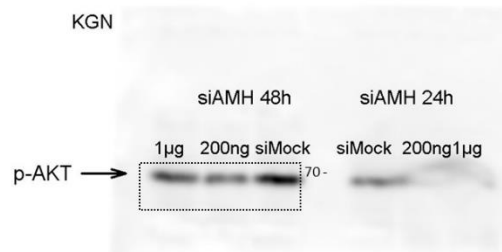
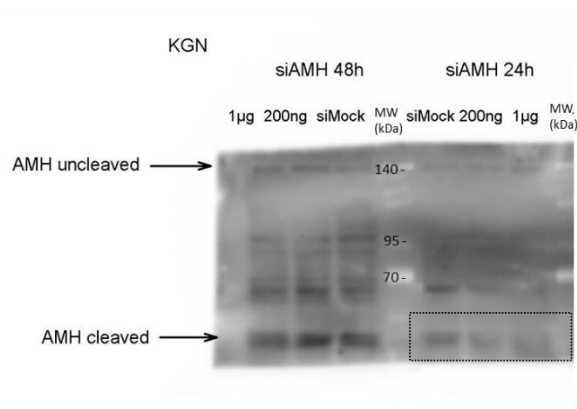
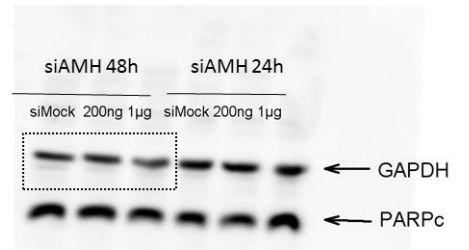
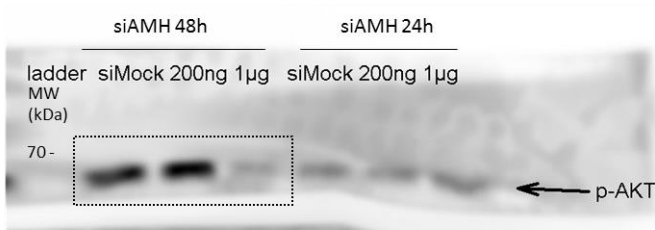
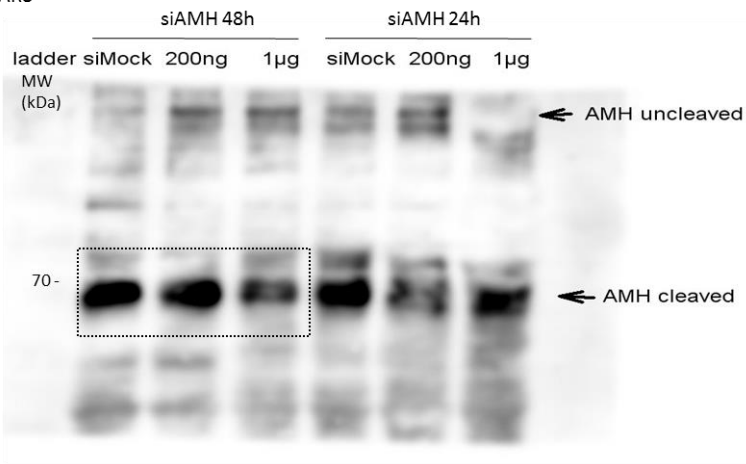
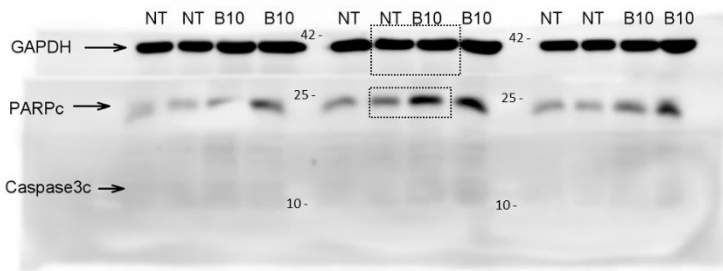
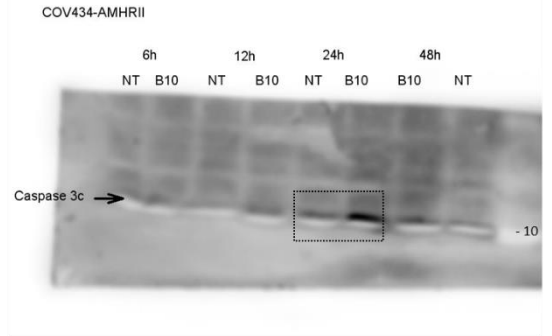
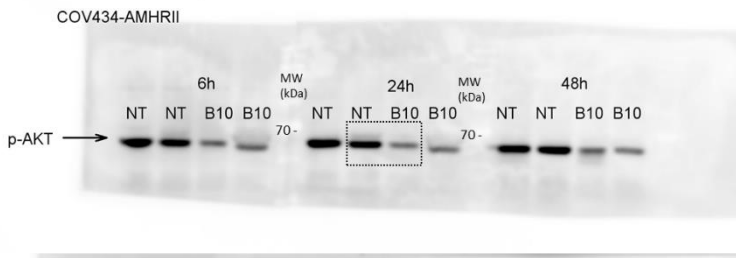


Figure 2_Panel c



SKOV3-AMHR11

