

Anti-Progesterone [11/32] Standard Size Ab02043-10.7

This antibody is in our proprietary AbFab2™ recombinant F(ab2) format - based on Human IgG1 sequence with a short dimerization domain to improve stability and a his tag.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human F(ab)2, AbFab2™ His-Tagged, Kappa

Clone Number: 11/32

Alternative Name(s) of Target: P4; pregn-4-ene-3,20-dione

UniProt Accession Number of Target Protein:

Published Application(s): RIA, Block

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing BALB/c mice with 11-α-hydroxyprogesterone-11-hemisuccinyl-bovine serum albumin (BSA) conjugate.

Specificity: This antibody recognizes and binds progesterone. It also cross reacts with other steroids like 5,α-pregnanedione.

Application Notes: This antibody binds progesterone, which is an endogenous steroid female sex hormone, involved in the menstrual cycle, pregnancy, and embryogenesis of humans and other species. The hormone is produced by the corpus luteum in the ovaries and later by the placenta during pregnancy and is necessary for maintenance of pregnancy as it prevents the breakdown of the endometrium. This antibody against progesterone may be used for the study its role in the female reproductive system and uring pregnancy. It may also be used as an immunological prevention of pregnancy. The antibody is reported to have blocking effects and prevention of pregnancy in mice (PMID:7057905). Passive immunization of mice with this antibody has anti-fertility effects by blocking implantation (PMID:2373979, 3411286). This antibody is also reported to cross react with other steroids (PMID: 3123368, 7632616).

Antibody First Published in: Wright et al. Progesterone monoclonal antibody blocks pregnancy in mice. Nature (1982), Issue: 5848, Volume: 295, Page: 415-417. [PMID:7057905](#)

Note on publication: Describes the generation and characterization of the antibody and its role in blocking the establishment of pregnancy in mice.

Product Form

Size: 100 µg Purified antibody.

Purification: Purified by Immobilized Metal Affinity Chromatography

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.