

## Anti-Angiogenin [26-2F] Standard Size Ab00400-10.3

Recombinant monoclonal antibody to Angiogenin. Manufactured using AbAb's Recombinant Platform with variable regions (i.e. specificity) from the hybridoma 26-2F. This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** 26-2F

**Alternative Name(s) of Target:** ANG; Ribonuclease 5; RNase 5; ALS9; HEL168; RAA1

**UniProt Accession Number of Target Protein:** P03950

**Published Application(s):** ICC, Block, ELISA, IHC

**Published Species Reactivity:** Rabbit, Human

**Immunogen:** Human angiogenin.

**Specificity:** Binds to human angiogenin with a Kd of 1.6 nM. Minimal epitope is W89 and fragment 38-41 (PCKD).

**Application Notes:** The antibody binds specifically to angiogenin, a member of of the ribonuclease superfamily of proteins, which interacts with actin on the surface of endothelial and smooth muscle cells, inducing neovascularization. Due to its angiogenic activity, angiogenesis plays a key role in the growth and invasiveness of tumour cells, and therefore neutralising monoclonal antibodies such as 26-2F are important anticancer drugs. The monoclonal antibody 26-2F is not directly cytotoxic to tumour cells in vitro, however has been shown to have antagonistic effects in human breast cancer xenografts in athymic mice.

**Antibody First Published in:** Fett et al. A monoclonal antibody to human angiogenin. Inhibition of ribonucleolytic and angioneogenic activities and localization of the antigenic epitope. *Biochemistry* 1994; 33(18):5421-5427 [PMID:7514035](#)

**Note on publication:** Describes the generation of a monoclonal antibody against human angiogenin and epitope mapping.

### Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**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.