

Anti-ANG Polyclonal Antibody

Cat: AC51600

Summary:

【Product name】 : Anti-ANG antibody

【Source】 : Rabbit

【Isotype】 : IgG

【Species reactivity】 : Human

【Swiss Prot】 : P03950

【Gene ID】 : 283

【Calculated】 : MW:17kDa

【Purification】 : Affinity purification

【Tested applications】 : IHC IF

【Recommended dilution】 : IHC 1:50-200. IF 1:50-200.

【Subcellular location】: Nucleus Secreted basement membrane extracellular matrix extracellular space
nucleolus

【Immunogen】 : Recombinant protein of human ANG

【Storage】 : Shipped at 4°C. Upon delivery aliquot and store at -20°C

Background:

The protein encoded by this gene is an exceedingly potent mediator of new blood vessel formation. It hydrolyzes cellular tRNAs resulting in decreased protein synthesis and is similar to pancreatic ribonuclease. In addition, the mature peptide has antimicrobial activity against some bacteria and fungi, including *S. pneumoniae* and *C. albicans*. Alternative splicing results in two transcript variants encoding the same protein. This gene and the gene that encodes ribonuclease, RNase A family, 4 share promoters and 5' exons. Each gene splices to a unique downstream exon that contains its complete coding region.