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Datasheet for ABIN3022116
anti-ANG antibody (AA 25-147)

2 Images

Overview

Quantity:	100 µL
Target:	ANG
Binding Specificity:	AA 25-147
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ANG antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 25-147 of human ANG (NP_001091046.1).
Sequence:	QDNSRYTHFL TQHYDAKPQG RDDRYCESIM RRRGLTSPCK DINTFIHGNK RSIKAICENK NGNPHRENLR ISKSSFQVTT CKLHGGSPWP PCQYRATAGF RNVVACENG LPVHLDQSIF RRP
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target: ANG

Alternative Name: ANG ([ANG Products](#))

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.,ANG,ALS9,HEL168,RAA1,RNASE4,RNASE5,Epigenetics & Nuclear Signaling,Cancer,Invasion and Metastasis,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Microfilaments,Growth factor,Endocrine & Metabolism,Nucleotide metabolism,Cardiovascular,Angiogenesis,Angiogenic growth factors,Hypoxia,ANG

Molecular Weight: 16 kDa

Gene ID: 283

UniProt: [P03950](#)

Application Details

Application Notes: IHC,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

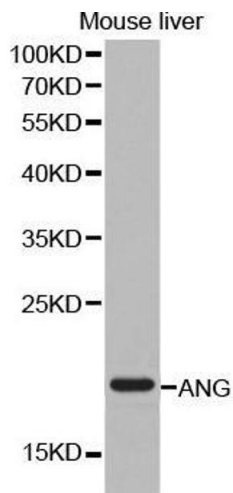
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid freeze / thaw cycles

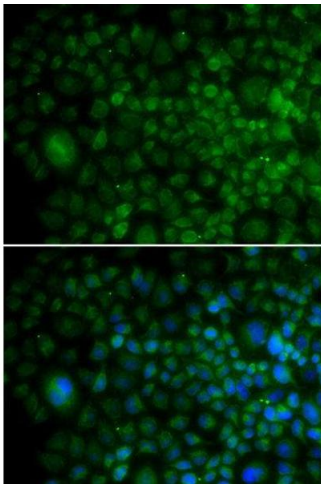
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1.



Immunofluorescence

Image 2. Immunofluorescence analysis of U2OS cell using ANG antibody. Blue: DAPI for nuclear staining.