



## Rabbit Anti-Angiopoietin 4 antibody

SL1087R

<b>Product Name:</b>	Angiopoietin 4
<b>Chinese Name:</b>	血管生成素3/血管生成素4抗体
<b>Alias:</b>	Angiopoietin 4; AGP4; ANG3; ANG-4; ANG 4; ANGPT4; AGP4; ANGP4_HUMAN. ANG 3; ANG-3; ANG3; Angioarrestin; Angiopoietin 3; Angiopoietin like 1; Angiopoietin like protein 1; Angiopoietin related protein 1; Angiopoietin Y1; Angiopoietin-3; Angiopoietin-like protein 1; Angiopoietin-related protein 1; ANGL1_HUMAN; ANGPT3; ANGPTL1; AngY; ARP1; dJ595C2.2; KIAA0351; UNQ162.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	54kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human ANGPT4:410-503/503
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Angiopoietin 4 is a glycosylated protein with a fibrinogen C terminal domain. It is induced under hypoxic conditions in endothelial cells and is the target of peroxisome

proliferation activators.

Angiopoietin 4 is a serum hormone directly involved in regulating glucose homeostasis, lipid metabolism, and insulin sensitivity and also acts as an apoptosis survival factor for vascular endothelial cells. It may play a role in several cancers and it also has been shown to prevent the metastatic process by inhibiting vascular activity as well as tumor cell motility and invasiveness. Decreased expression of this protein has been associated with type 2 diabetes. Alternatively spliced transcript variants encoding different isoforms have been described

**Function:**

Binds to TEK/TIE2, modulating ANGPT1 signaling. Can induce tyrosine phosphorylation of TEK/TIE2. Promotes endothelial cell survival, migration and angiogenesis.

**Subunit:**

Homodimer; disulfide-linked. Interacts with TEK/TIE2.

**Subcellular Location:**

Secreted (Probable).

**Tissue Specificity:**

Highly expressed in the lung with much lower levels found in other tissues.

**Similarity:**

Contains 1 fibrinogen C-terminal domain.

**SWISS:**

Q9Y264

**Gene ID:**

51378

**Database links:**

[Entrez Gene: 51378](#) Human

[Omim: 603705](#) Human

[SwissProt: Q9Y264](#) Human

[Unigene: 278973](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

血管生成素4-ANGPTL4与小血管生成、Tumour的转移有很重要的关系。



Picture:

Sample:

Lung (Mouse) Lysate at 30 ug

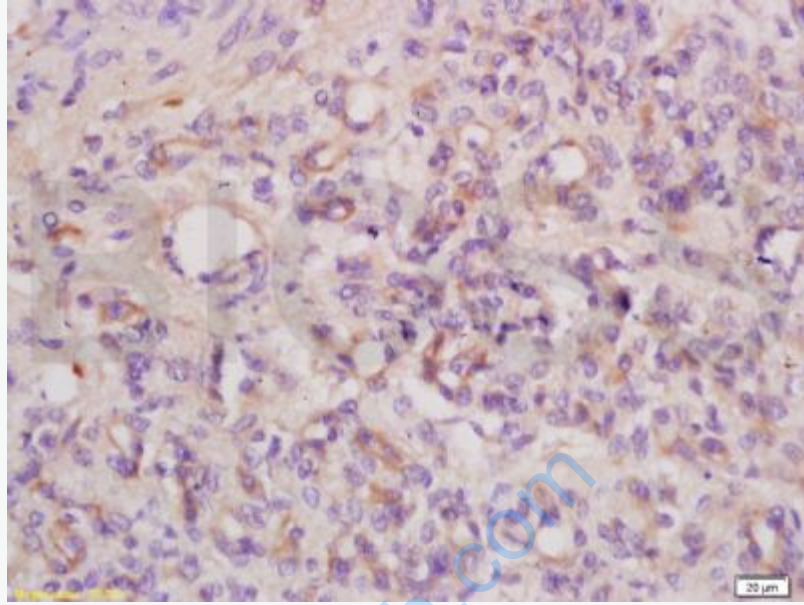
Lung (Rat) Lysate at 30 ug

Primary: Anti- Anti-ANGPT3/ANG3/ANGPT4/ANG4 (SL1087R) at 1/400 dilution

Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL1087R) at 1/3000 dilution

Predicted band size : 57kD

Observed band size : 57kD



Tissue/cell: mouse tumor tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-ANGPT3/ANG3/ANGPT4/ANG4 Polyclonal Antibody,

Unconjugated(SL1087R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining