bs-1087R **[Primary Antibody]**

Angiopoietin 4 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 51378 **SWISS:** Q9Y264

Target: Angiopoietin 4

Immunogen: KLH conjugated synthetic peptide derived from human ANGPT4: 410-503/503.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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

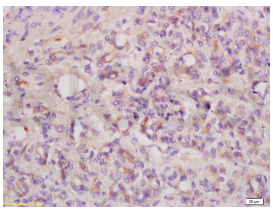
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Mouse (predicted: Human, Rat, Rabbit, Pig, Cow, Chicken, Dog, Horse)

Predicted MW.: 54 kDa

Subcellular Location: Secreted

VALIDATION IMAGES



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(bs-1087R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=1.922]** Wang et al. Angiopoietin-like protein 4 improves glucose tolerance and insulin resistance but induces liver steatosis in high-fat-diet mice. (2016) Mol.Med.Rep. 14:3293-300 WB ;Mice. 27573470