

## Angiopoietin 2 polyclonal antibody

Catalog: BS90055

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Tie-1 and Tie-2 (also designated Tek) are novel cell surface receptor tyrosine kinases. The extracellular domain of Tie-1 has an unusual multidomain structure consisting of a cluster of three epidermal growth factor homology motifs localized between two immunoglobulin-like loops, which are followed by three fibronectin type III repeats next to the transmembrane region. Angiopoietin-1 (Ang-1) is a secreted ligand for Tie-2. Preliminary biochemical analyses of Ang-1 reveal a potential fibrinogen-like domain at the carboxy terminus and coiled-coil regions in the amino terminus. Ang-1 is an angiogenic factor that is thought to be involved in endothelial development. A related protein, angiopoietin-2 (Ang-2), has been identified as a naturally occurring antagonist of Ang-1 activation of Tie-2. In adult tissue, Ang-2 expression seems to be restricted to sites of vascular remodeling.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

50 kDa

### Swiss-Prot:

O15123(Human) O35608(Mouse) O35462(Rat)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:500-1:2,000

IHC:1:50-1:200

### Storage&Stability:

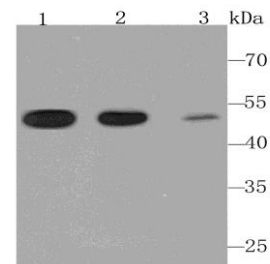
Store at +4 °C after thawing. Aliquot store at -20 °C or

-80 °C. Avoid repeated freeze / thaw cycles.

### Specificity:

Angiopoietin 2 polyclonal antibody detects endogenous levels of Angiopoietin 2 protein.

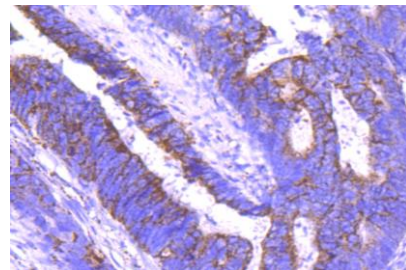
### DATA:



Western blot analysis of Angiopoietin 2 on different cell lysate using anti-Angiopoietin 2 antibody at 1/1,000 dilution. Positive control:

Lane1: TF-1

Lane2: Human liver tissue Lane3: Human placenta tissue



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Angiopoietin 2 antibody. Counter stained with hematoxylin.

### Note:

For research use only, not for use in diagnostic procedure.

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