

## Angiopoietin-2 Recombinant antibody

**Cat:**B36250S

**Company:** HaoKebio

**Uniprot ID:**O35608

**Applications:** IHC:1:300-1:1200

**Organism:**Rabbit

**IHC-Polymer:**1:1200-1:5000

**Species reactivity:**Mouse

**IHC-TSA:**1:1500-1:6000

**Molecular Weight Calculation:** 56 kDa

**IF:**1:50

**Observed Molecular Weight:** 68 kDa

**WB:**1:2000-1:10000

**IP:**1ug for 1mg of total protein lysate

**Background:**

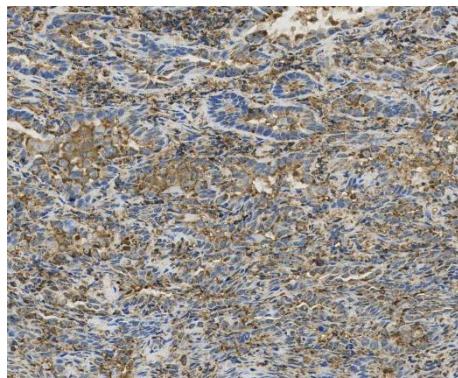
Angiopoietin-2 (ANGPT2, ANG-2) is a regulator of vessel enlargement, and ANGPT2 inhibition prevented pathological vessel enlargement. ANGPT2 destabilizes vessels and promotes angiogenesis through antagonism of ANGPT1. Ang2 was initially identified by homology with Ang1 and is expressed predominantly by endothelial cells, where it is stored in intracellular secretory granules called Weibel-Palade bodies (WPB) and promptly released after endothelium activation. Like Ang1, Ang2 binds to Tie2 receptor, but with different pathophysiological effects. While Ang1 fosters endothelial stabilization, Ang2 can antagonize Ang1, blocking Tie2 activation and leading to vessel destabilization.

**Storage:**

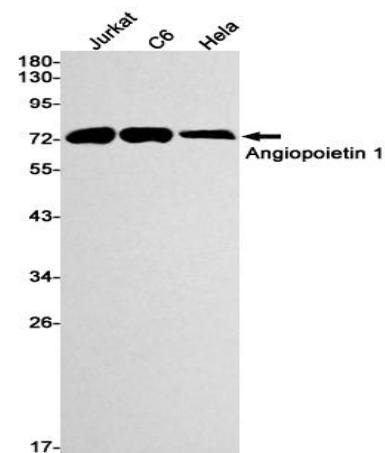
Store at -20 °C for one year.

**Experimental procedure:**

Antigen retrieval: Citrate buffer (pH 9.0) , Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

**Images:**


Sample: Mouse kidney, 4% PFA 12-24h



Dilution of 1:10000 incubated at room temperature for 1.5 hours.

**Source of Reagents:**

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S)由杭州浩克生物技术有限公司提供;

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) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.