

## ANGPT2

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC IF

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

**Calculated MW:** 57kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human ANGPT2

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

a

**Synonym:**

ANG-2; ANG2; AGPT2; Angiopoietin-2;

**Catalog #:** A0698

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 285

**Isotype:** IgG

**Swiss Prot:** O15123

**Purity:** Affinity purification

For research use only.

**Background:**

Angiopoietins are a family of Tie receptor ligands. There are four angiopoietins discovered so far: angiopoietins 1, 2, 3 and 4 (Ang1, 2, 3, and 4) (1-3). Ang1 binds to the Tie-2 receptor and leads to its autophosphorylation and subsequent activation of downstream signaling pathways. It plays an important role in blood vessel formation, maturation and subsequent stabilization (1,4,5). Ang2 is an endothelium-specific growth factor that functions as an antagonist to Ang1, promotes vascular associated proinflammatory function, destabilizes quiescent endothelium, leads to vascular leakage and vascular destabilization and remodeling (2,6,7). Ang2 is selectively expressed in many tumor tissues where, combined with other growth factors such as VEGF, it can promote vascular remodeling, angiogenesis and inflammation (7-9).

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