

Product datasheet for **TA326854**

Angiopoietin 2 (ANGPT2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB 1:500 - 1:2000;IF 1:50 - 1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human ANGPT2
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	57 kDa
Gene Name:	angiopoietin 2
Database Link:	NP_001138 Entrez Gene 11601 Mouse Entrez Gene 89805 Rat Entrez Gene 285 Human Q15123



[View online »](#)

Background:

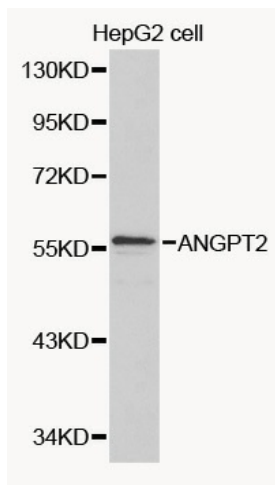
Angiopoietins are a family of Tie receptor ligands. There are four angiopoietins discovered so far: angiopoietins 1, 2, 3 and 4 (Ang1, 2, 3, and 4). Ang1 binds to the Tie-2 receptor and leads to its autophosphorylation and subsequent activation of downstream signaling pathways. It plays an important role in blood vessel formation, maturation and subsequent stabilization. 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. 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.

Synonyms:

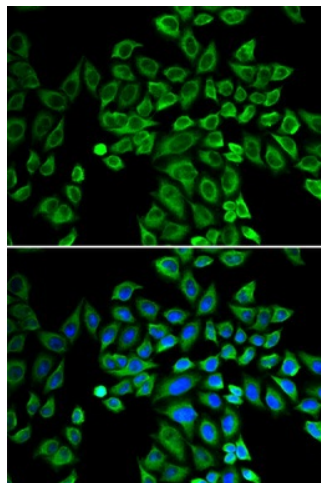
AGPT2; ANG2

Protein Families:

Druggable Genome, Secreted Protein

Product images:

Western blot analysis of HepG2 cell lysate using ANGPT2 antibody.



Immunofluorescence analysis of HeLa cell using ANGPT2 antibody. Blue: DAPI for nuclear staining.