

Product Data Sheet: Angiopoietin 1

Cat. No: AB-82336
Size: 100 ug
Clone: POLY
Concentration: 1mg/ml

Host: Rb Isotype: IgG

Immunogen:Recombinant fusion protein containing a sequence corresponding to amino acids

260-400 of human ANGPT1

Reactivity: Hu, Ms,Rt

Applications: Western Blot: 1:500 - 1:2000

Immunohistochemistry: 1:50 - 1:100

Molecular Weight: 51kDa **Purification:** Aff. Pur.

Synonyms: ANGPT1;AGP1;AGPT;ANG1

This gene encodes a secreted glycoprotein that belongs to the angiopoietin family. Members of this family play important roles in vascular development and angiogenesis. All angiopoietins bind with similar affinity to an endothelial

cellspecific tyrosine-protein kinase receptor. The protein encoded by this gene is a secreted glycoprotein that activates the receptor by inducing its tyrosine

Background:a secreted glycoprotein that activates the receptor by inducing its tyrosine phosphorylation. It plays a critical role in mediating reciprocal interactions

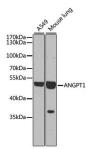
between the endothelium and surrounding matrix and mesenchyme and inhibits endothelial permeability. The protein also contributes to blood vessel maturation and stability, and may be involved in early development of the heart. Alternative

splicing results in multiple transcript variants encoding distinct isoforms.

Form: Liquid

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Storage: Store at -20°C. Avoid freeze / thaw cycles.

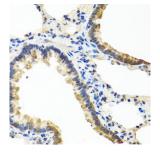


Western blot analysis of extracts of various cell lines, using ANGPT1 antibody at 1:1000 dilution.

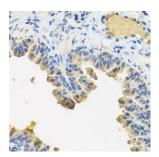
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk inTBST.

Detection: ECL West Pico Plus Exposure time: 90s.



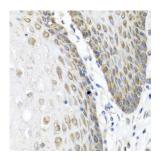
Immunohistochemistry of paraffin embedded rat lung using ANGPT1 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin embedded mouse lung using ANGPT1 antibody at dilution of 1:100 (40x lens).



Product Data Sheet: Angiopoietin 1



Immunohistochemistry of paraffin embedded human esophagus using ANGPT1 antibody at dilution of 1:100 (40x lens).

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