BT LAB
Bioassay Technology Laboratory
Optimize Your Research

Ang-1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00441
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from the N-terminal region of human ANGPT1. AA range:1-50
Mol wt	57513
Species reactivity	Human, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	Ang-1 Antibody
Synonyms	ANGPT1; KIAA0003; Angiopoietin-1; ANG-1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

ANGPT1 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 cell-specific tyrosine-protein kinase receptor. Angiopoietin-1 encoded by ANGPT1 is 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.

Recommended Dilution

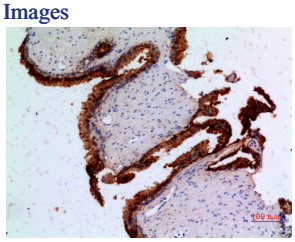
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

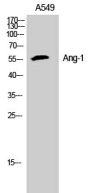
ELISA: 1: 20000

Not yet tested in other applications.

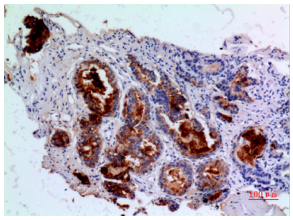
Images



Immunohistochemical analysis of paraffin-embedded human-prostatic-cancer, antibody was diluted at 1:100



Western Blot analysis of A549, K562 cells using Ang-1 Polyclonal Antibody. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-prostatic-cancer, antibody was diluted at 1:100

Storage

-20°C for one year

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