

For Research Use Only

Angiopoietin 2 Polyclonal antibody

Catalog Number: 24613-1-AP

21 Publications



Basic Information

Catalog Number: 24613-1-AP	GenBank Accession Number: BC126200	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 285	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: angiopoietin 2	
Isotype: IgG	Calculated MW: 496 aa, 57 kDa	
Immunogen Catalog Number: AG17938	Observed MW: 68 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HUVEC cells, HeLa cells, HepG2 cells, K-562 cells IHC : human liver cancer tissue,
Cited Applications: IF, IHC, WB	
Species Specificity: human	
Cited Species: human, rat, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Angiopoietin-2 (Ang2) is a growth factor belonging to the angiopoietin/Tie (tyrosine kinase with Ig and EGF homology domains) signaling pathway, one of the main pathways involved in angiogenesis. Angiopoietin-2 was identified through a cDNA library screening, shortly after the identification of angiopoietin-1. Angiopoietin-2, is a natural antagonist for Tie2 that disrupts in vivo angiogenesis. In adult mice and humans, Angiopoietin-2 is expressed only at sites of vascular remodeling. Angiopoietin-2 has also been found to be highly expressed in diverse tumor cells and plays an important role in tumor angiogenesis and inflammation.

Notable Publications

Author	Pubmed ID	Journal	Application
Lifeng Wang	36160014	Front Genet	IHC
Qian Li	27771855	Tumour Biol	WB
Qiuyan Ma	36219207	Endocrinology	IF

Storage

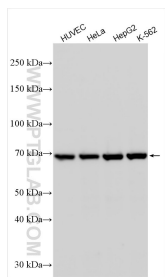
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

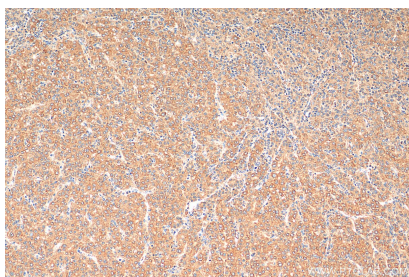
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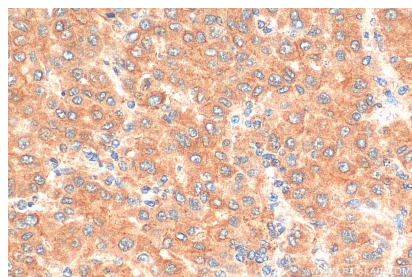
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24613-1-AP (Angiopoietin 2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24613-1-AP (Angiopoietin 2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24613-1-AP (Angiopoietin 2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).