Product Datasheet

ANGPT2 Antibody

Catalog No: #32088

Package Size: #32088-1 50ul #32088-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

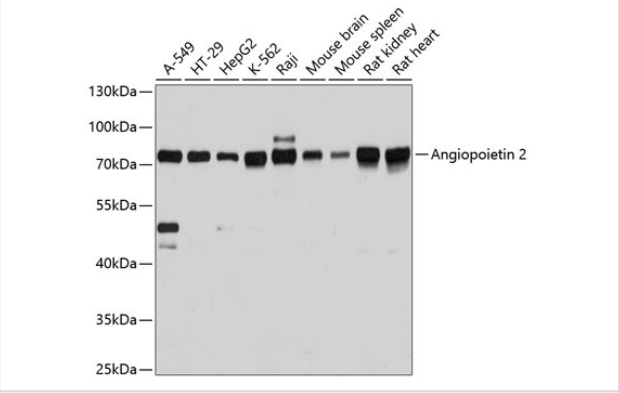
Description

Product Name	ANGPT2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total ANGPT2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human ANGPT2.
Target Name	ANGPT2
Other Names	ANG-2; ANG2; AGPT2; Angiopoietin-2;
Accession No.	Swiss-Prot:O15123NCBI Gene ID:285
Uniprot	O15123
GeneID	285;
SDS-PAGE MW	57KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

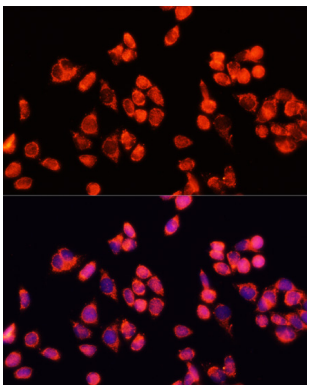
Application Details

WB□1:500 - 1:2000IF□1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using Angiopoietin 2 at 1:3000 dilution.



Immunofluorescence analysis of HeLa cells using Angiopoietin 2 at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

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 destablization 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).

Note: This product is for in vitro research use only