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anti-Angiopoietin 2 antibody (C-Term)

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Publications



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Quantity:	400 μL	
Target:	Angiopoietin 2 (ANGPT2)	
Binding Specificity:	AA 404-432, C-Term	
Reactivity:	Human, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Angiopoietin 2 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)	
Product Details		
Immunogen:	This ANGPT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 404-432 amino acids from the C-terminal region of human ANGPT2.	
Clone:	RB17789	
Isotype:	lg Fraction	
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.	
Target Details		
Target:	Angiopoietin 2 (ANGPT2)	
Alternative Name:	ANGPT2 (ANGPT2 Products)	

Target Details

Background:	The protein encoded by this gene is an antagonist of angiopoietin 1 (ANGPT1) and endothelial TEK tyrosine kinase (TIE-2, TEK). The encoded protein disrupts the vascular remodeling ability of ANGPT1 and may induce endothelial cell apoptosis. Three transcript variants encoding three different isoforms have been found for this gene.
Molecular Weight:	56919
Gene ID:	285
NCBI Accession:	NP_001112359, NP_001112360, NP_001138
UniProt:	015123
Pathways:	RTK Signaling

Application Details

Application Notes:	WB: 1:1000. WB: 1:2000. IHC-P: 1:50~100. FC: 1:25
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

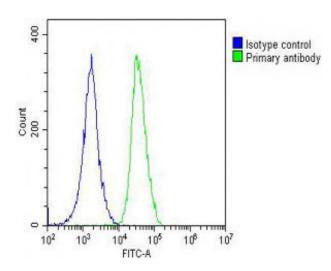
Publications

Product cited in:

Alamo, Gallardo, Di Nicolantonio, Pavón, Casanova, Trias, Mangues, Lopez-Pousa, Villaverde, Vázquez, Bardelli, Céspedes, Mangues: "Higher metastatic efficiency of KRas G12V than KRas G13D in a colorectal cancer model." in: **FASEB journal : official publication of the Federation of American Societies for Experimental Biology**, Vol. 29, Issue 2, pp. 464-76, (2015) (PubMed).

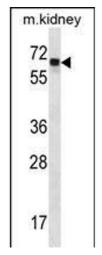
Alamo, Gallardo, Pavón, Casanova, Trias, Mangues, Vázquez, Villaverde, Mangues, Céspedes: "Subcutaneous preconditioning increases invasion and metastatic dissemination in mouse colorectal cancer models." in: **Disease models & mechanisms**, Vol. 7, Issue 3, pp. 387-96, (2014) (PubMed).

Images



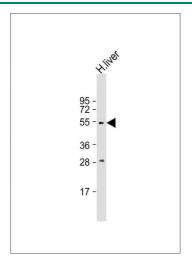
Flow Cytometry

Image 1. Overlay histogram showing A549 cells stained with (ABIN654062 and ABIN2843960) (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN654062 and ABIN2843960), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG (1 μ g/1x10^6 cells) used under the same conditions. Acquisition of >10,000 events was performed.



Western Blotting

Image 2. ANGPT2 Antibody (C-term) (ABIN654062 and ABIN2843960) western blot analysis in mouse kidney tissue lysates ($35 \,\mu\text{g/lane}$). This demonstrates the ANGPT2 antibody detected the ANGPT2 protein (arrow).



Western Blotting

Image 3. Anti-ANGPT2 Antibody (C-term) at 1:2000 dilution + human liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 57 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the product details page for more images. Overall 4 images are available for ABIN654062.