

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF2084

DESCRIPTION

Species Reactivity	Human Detects human Angiopoietin-like 2 (ANGPTL2) in direct ELISAs and Western blots. In direct ELISAs, approximately 20% cross-reactivity with recombinant mouse ANGPTL2 is observed and less than 1% cross-reactivity with recombinant human (rh) ANGPTL6 is observed.			
Specificity				
Source	Polyclonal Goat IgG			
Purification	Antigen Affinity-purified			
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Angiopoietin-like 2 Gln23-Phe492 Accession # Q9UKU9			
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.			

## APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.5 μg/mL	See Below

## DATA

	ť	æ	sn		Detection of Human Angiopoietin-like
	Hea	Aort	Uter		Protein 2/ANGPTL2 by Western Blot.
	Human Heart	Human Aorta	Human Uterus		Western blot shows lysates of human heart
kDa 👘	Ŧ	Ŧ	Ŧ		tissue, human aorta tissue, and human uterus
250			-		tissue. PVDF membrane was probed with
150 —					0.5 µg/mL of Goat Anti-Human Angiopoietin-
100					like Protein 2/ANGPTL2 Antigen Affinity-
75-	-	-	-	— Angiopoietin-like Protein 2	purified Polyclonal Antibody (Catalog #
50-		20		Anglopolotin into i fotom 2	AF2084) followed by HRP-conjugated Anti-
					Goat IgG Secondary Antibody (Catalog #
37 —					HAF017). A specific band was detected for
					Angiopoietin-like Protein 2/ANGPTL2 at
25-		-			approximately 55-64 kDa (as indicated). This
					experiment was conducted under reducing
20-					conditions and using Immunoblot Buffer
15-					Group 1.

PREPARATION AND STORAGE				
Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.			
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C			
Stability & Storage	<ul> <li>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</li> <li>12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>			

## BACKGROUND

ANGPTL2, also known as angiopoietin-related protein 2 (ARP2), contains an N-terminal coiled-coil domain and a C-terminal fibrinogen-like domain, which are structurally conserved in angiopoietins. Unlike angiopoietins which are ligands for TIE2, ANGPTL2 is an orphan ligand that does not bind TIE2.

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