



# Anti-ANGPT1 monoclonal antibody, clone 282844 (DCABY-3954)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Angiopoietins, Ang-1, Ang-2, and Ang-3 (mouse)/Ang-4 (human), are natural agonists or antagonists of the Tie-2 receptor tyrosine kinase and are important modulators of angiogenesis. Two domains characterize the angiopoietin family of proteins: an N-terminal coiled-coil domain that mediates homo-oligomerization, and a C-terminal fibrinogen-like domain that binds Tie-2.
<b>Specificity</b>	Detects human Angiopoietin-1 in Western blots. In Western blots, this antibody does not cross-react with recombinant human (rh) Ang-2, rhAng-4, rmANGPTL3, or rhANGPTL7.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human Angiopoietin-1. Ser20-Phe498 Accession Number Q15389
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	282844
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot, ELISA Capture (Matched Pair)
<b>Format</b>	Liquid
<b>Size</b>	500 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month from date of receipt, 2 to 8 °C, reconstituted. 6 months from date of receipt, -20 to -70 °C, reconstituted.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ANGPT1 angiotensinogen 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	ANGPT1
<b>Synonyms</b>	ANGPT1; angiotensinogen 1; AGP1; AGPT; ANG1; angiotensinogen-1; ANG-1;
<b>Entrez Gene ID</b>	<a href="#">284</a>
<b>Protein Refseq</b>	<a href="#">NP_001137</a>
<b>UniProt ID</b>	<a href="#">Q15389</a>
<b>Chromosome Location</b>	8q23.1
<b>Pathway</b>	Angiogenesis; Angiotensin receptor Tie2-mediated signaling; Cell surface interactions at the vascular wall; HIF-1 signaling pathway; Hemostasis; PI3K-Akt signaling pathway; Rap1 signaling pathway; Ras signaling pathway;
<b>Function</b>	receptor tyrosine kinase binding;