

DESCRIPTION

Species Reactivity	Human/Primate
Specificity	Detects human ANGPTL4 in ELISAs and Western blots. In sandwich immunoassays, less than 0.2% cross-reactivity with recombinant human (rh) ANGPTL3, rhAngiopoietin-1, -2, -3, and -4 is observed. In Western blots, approximately 1% cross-reactivity w
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Angiopoietin-like 4/ANGPLT4 Leu165-Ser406 Accession # Q9BY76
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

ELISA Capture (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
ELISA Detection (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

ANGPTL4, also known as PPARγ angiopoietin-related protein (PGAR), hepatic fibrinogen/angiopoietin-related protein (HFARP) and fasting-induced adipose factor (FIAF), is a secreted protein that shares structural homology with angiopoietins. It contains an N-terminal coiled-coil region that mediates covalent homo-oligomerization and a C-terminal fibrinogen-like domain. ANGPTL4 undergoes proteolytic processing and releases the C-terminal domain, which circulates as a monomer. At least 2 additional splice isoforms exist. ANGPTL4 is most highly expressed in adipose tissues. Its expression is up-regulated in endothelial cells and cardiomyocytes during hypoxia. ANGPTL4 is involved in the regulation of lipid and glucose metabolism. It has also been associated with angiogenesis. The amino acid sequence of human ANGPTL4 is 81%, 76% and 81% identical to that of porcine, mouse and canine ANGPTL4, respectively.

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