

Datasheet for ABIN768552

**anti-Angiopoietin 1 antibody (Internal Region)**

## 4 Images

[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	Angiopoietin 1 (ANGPT1)
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Angiopoietin 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

## Product Details

Purpose:	ANGPT1
Immunogen:	Peptide with sequence C-PDFSSQKLQH, from the internal region of the protein sequence according to NP_001137.2.
Sequence:	PDFSSQKLQH
Isotype:	IgG
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

## Target Details

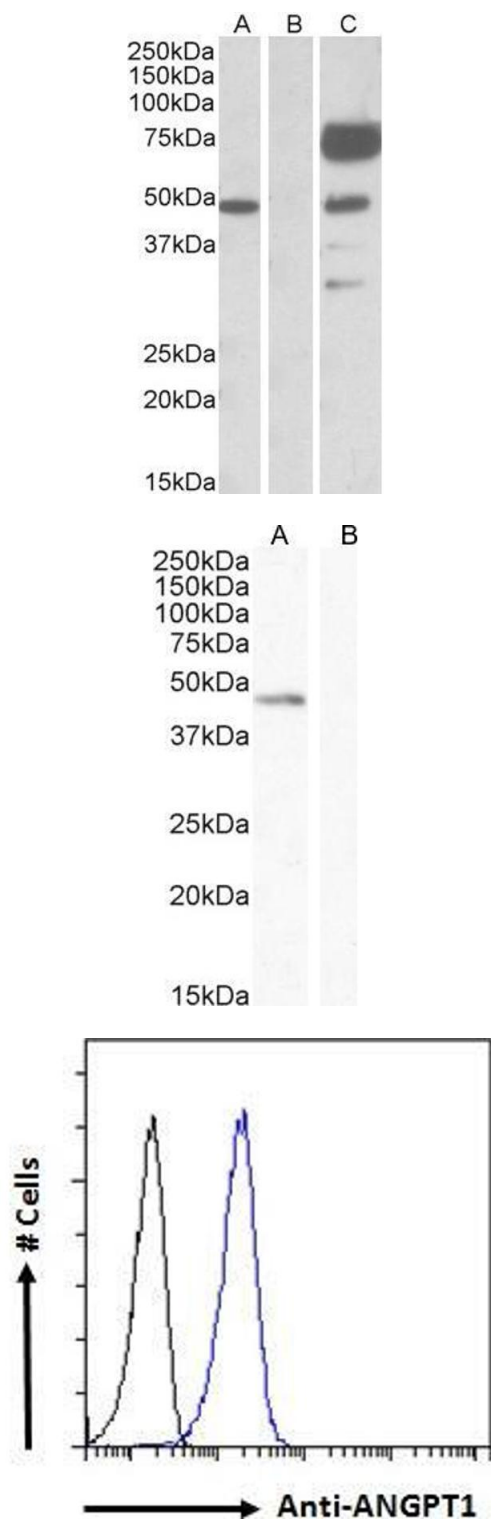
Target:	Angiopoietin 1 (ANGPT1)
Alternative Name:	ANGPT1 ( <a href="#">ANGPT1 Products</a> )
Background:	ANGPT1, angiopoietin 1, AGP1, AGPT, ANG1
Molecular Weight:	48kDa
Gene ID:	284, 11600, 89807
NCBI Accession:	<a href="#">NP_001137</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Glycosaminoglycan Metabolic Process</a>

## Application Details

Application Notes:	Western Blot: In transfected HEK293 transiently expressing full-length Human ANGPT1 (myc and DYKDDDDK tagged), a band of approx. 48 kDa was observed. No bands were observed in mock-transfected HEK293 and the 48 kDa plus a 75 kDa band was observed using anti Peptide ELISA: antibody detection limit dilution 1:32000.
Comment:	<b>Immunofluorescence:</b> Strong expression of the protein seen in the plasma membranes of A431 and HeLa cells. Recommended concentration: 10µg/ml. <b>Flow Cytometry:</b> Flow cytometric analysis of A431 cells. Recommended concentr
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



#### Western Blotting

**Image 1.** HEK293 lysate (10ug protein in RIPA buffer) overexpressing Human ANGPT1 with DYKDDDDK tag probed with ABIN768552(1ug/ml) in Lane A and probed with anti- DYKDDDDK Tag (1/1000) in lane C. Mock-transfected HEK293 probed with ABIN768552 (1mg/ml) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence.

#### Western Blotting

**Image 2.** ABIN768552 (0.1µg/ml) staining of K56 cell lysate (A) + peptide (B) (35µg protein in RIPA buffer). Detected by chemiluminescence.

#### Flow Cytometry

**Image 3.** ABIN768552 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN768552.