

Datasheet for ABIN5542410  
**anti-Neuropilin 1 antibody (AA 45-59)**

## 3 Images

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## Overview

Quantity:	0.1 mg
Target:	Neuropilin 1 (NRP1)
Binding Specificity:	AA 45-59
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Neuropilin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Synthesized peptide of human Neuropilin-1 (AA: 45-59).
Clone:	5B1E11
Isotype:	IgG1

## Target Details

Target:	Neuropilin 1 (NRP1)
Alternative Name:	Neuropilin-1 ( <a href="#">NRP1 Products</a> )
Background:	Description: This gene encodes one of two neuropilins, which contain specific protein domains which allow them to participate in several different types of signaling pathways that control cell migration. Neuropilins contain a large N-terminal extracellular domain, made up of

## Target Details

complement-binding, coagulation factor V/VIII, and meprin domains. These proteins also contains a short membrane-spanning domain and a small cytoplasmic domain. Neuropilins bind many ligands and various types of co-receptors, they affect cell survival, migration, and attraction. Some of the ligands and co-receptors bound by neuropilins are vascular endothelial growth factor (VEGF) and semaphorin family members. Several alternatively spliced transcript variants that encode different protein isoforms have been described for this gene.,

Aliases: NRP1, NP1, NRP, BDCA4, CD304, VEGF165R

Molecular Weight: 103.1 kDa

Gene ID: 8829

HGNC: 8829

Pathways: [Regulation of Cell Size](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Smooth Muscle Cell Migration](#), [Platelet-derived growth Factor Receptor Signaling](#), [VEGFR1 Specific Signals](#)

## Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: , ICC: , FCM: 1:200 - 1:400

Restrictions: For Research Use only

## Handling

Format: Liquid

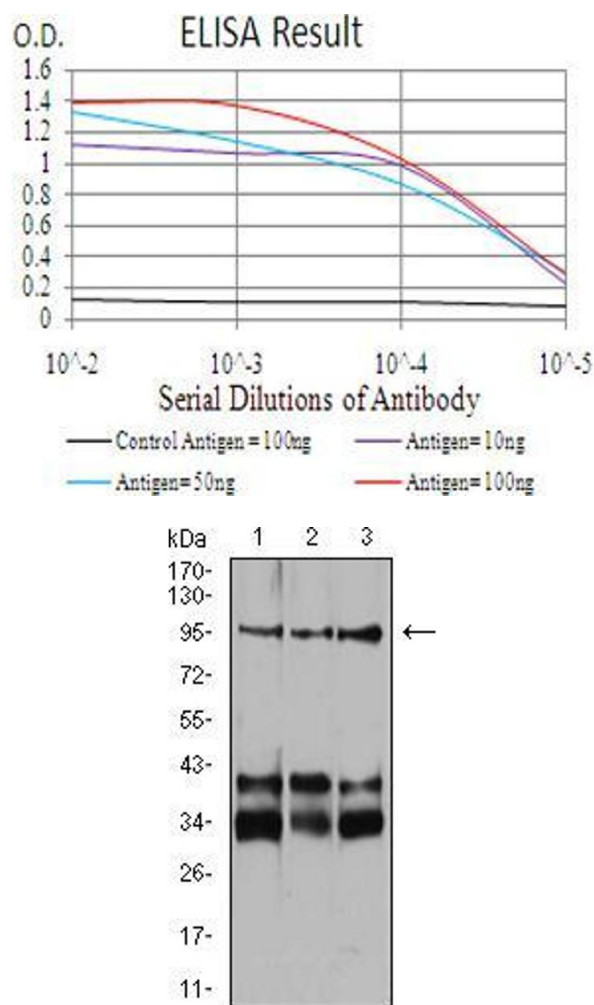
Buffer: Purified antibody in PBS with 0.05 % sodium azide

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: 4°C, -20°C for long term storage

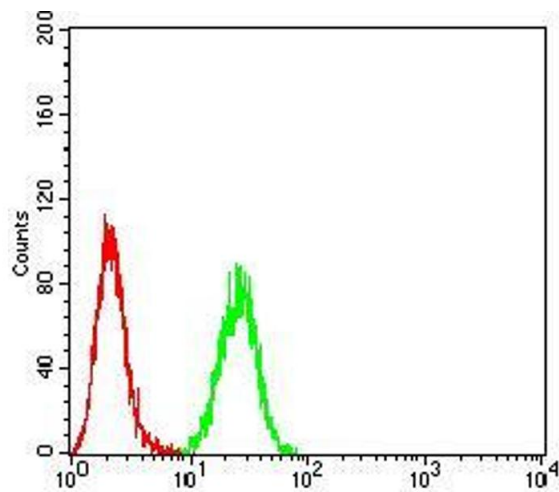


### ELISA

**Image 1.** Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),

### Western Blotting

**Image 2.** Western blot analysis using Neuropilin-1 mouse mAb against Jurkat (1), Hela (2), and HUVEC (3) cell lysate.



### Flow Cytometry

**Image 3.** Flow cytometric analysis of Hela cells using Neuropilin-1 mouse mAb (green) and negative control (red).