

# Anti-SORT1, AlpHcAbs® Human antibody

## Summary

Cat.No	300-746-001
Immunogen	Recombinant human SORT1
Host	Alpaca pacous
Isotype	Human IgG1
Conjugate	Unconjugated
Specificity	Human SORT1
Purity	Recombinant Expression and Affinity purified
Concentration	1mg/ml
Formation	Liquid, 10mM PBS (pH 7.5), 0.05% sucrose, 0.1% trehalose, 0.01% proclin300, 50% Glycerol
Storage	Store at -20 °C, (Avoid freeze / thaw cycles)

## Description

Anti-SORT1, AlpHcAbs® Human antibody is designed for detecting human SORT1 specifically. Based on ELISA and/or FCM, Anti-SORT1, AlpHcAbs® Human antibody reacts with human SORT1 specifically.

## Background:

Sortilin functions as a sorting receptor in the Golgi compartment and as a clearance receptor on the cell surface. Sortilin is required for protein transport from the Golgi apparatus to the lysosomes by a pathway that is independent of the mannose-6-phosphate receptor (M6PR). It is also required for protein transport from the Golgi apparatus to the endosomes. Sortilin promotes neuronal apoptosis by mediating endocytosis of the proapoptotic precursor forms of BDNF (proBDNF) and NGFB (proNGFB). Also, Sortilin acts as a receptor for neurotensin.

## Benefits

High lot-to-lot consistency  
Increased sensitivity and higher affinity  
Animal-free production

## Application notes

ELISA: 1:4,000-1:10000  
Flow Cytometry: 1:200-1:1000

Dilution factors are presented in the form of a range because the optimal dilution is a function of many factors, such as antigen density, permeability, etc. The actual dilution used must be determined empirically.