# CERS6 Conjugated Antibody

Catalog No: #C37698

Package Size: #C37698-AF350 100ul #C37698-AF405 100ul #C37698-AF488 100ul #C37698-AF555 100ul #C37698-AF594 100ul #C37698-AF647 100ul #C37698-AF680 100ul #C37698-AF750 100ul #C37698-Biotin 100ul

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## Description

| | |
|---|---|
| Product Name | CERS6 Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Species Reactivity | Hu Ms |
| Specificity | The antibody detects endogenous levels of total CERS6 protein. |
| Immunogen Description | Synthetic peptide corresponding to a region derived from internal residues of human ceramide synthase 6 |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | CERS5; LASS6 |
| Accession No. | Swiss-Prot#:Q6ZMG9NCBI Gene ID:253782NCBI Protein#:NP_671723 |
| Uniprot | Q6ZMG9 |
| GeneID | 253782; |
| Excitation Emission | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage | Store at 4°C in dark for 6 months |

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

The LASS (longevity assurance homolog) family members are highly conserved from yeasts to mammals. Six members of this family of proteins have been characterized (LASS1, LASS2, LASS3, LASS4, LASS5 and LASS6) and they all are involved in sphingolipid synthesis. LASS6 is a widely expressed 384 amino acid endoplasmic reticulum, multi-pass membrane protein. On the luminal side of the endoplasmic reticulum membrane, the N-terminal asparagine residue is glycosylated. In cells deficient for CLN9, LASS6 corrects growth and apoptosis, and increases the levels of short ceramide species, such as C14:0- and C16:0-ceramides.

Note: This product is for in vitro research use only