Datasheet for ABIN566978

anti-CERS6 antibody (AA 62-131)

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Overview

Quantity:	50 µL
Target:	CERS6
Binding Specificity:	AA 62-131
Reactivity:	Human
Host:	Mouse
Clonality:	Polyclonal
Conjugate:	This CERS6 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Purpose:	Mouse polyclonal antibody raised against a partial recombinant LASS6.
Immunogen:	LASS6 (NP_982288, 62 a.a. ~ 131 a.a) partial recombinant protein with GST tag.
Sequence:	PCAIALNIQA NGPQIAPPNA ILEKVFTAIT KHPDEKRLEG LSKQLDWDVR SIQRWFRQRR NQEKPSTLTR
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	CERS6
Alternative Name:	LASS6 (CERS6 Products)

Target Details

Background:	Full Gene Name: LAG1 homolog, ceramide synthase 6 Synonyms: CerS6,MGC129949,MGC129950
Gene ID:	253782
NCBI Accession:	NM_203463

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	50 % glycerol
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in:

Schüll, Günther, Brodesser, Seeger, Tosetti, Wiegmann, Pongratz, Diaz, Witt, Andree, Brinkmann, Krönke, Wiesner, Kashkar: "Cytochrome c oxidase deficiency accelerates mitochondrial apoptosis by activating ceramide synthase 6." in: **Cell death & disease**, Vol. 6, pp. e1691, (2015) (PubMed).

Cheng, Bai, Beckham, Marrison, Yount, Young, Lu, Bartlett, Wu, Keane, Armeson, Marshall, Keane, Smith, Jones, Drake, Bielawska, Norris, Liu: "Radiation-induced acid ceramidase confers prostate cancer resistance and tumor relapse." in: **The Journal of clinical investigation**, Vol. 123, Issue 10, pp. 4344-58, (2013) (PubMed).

Separovic, Breen, Joseph, Bielawski, Pierce, VAN Buren, Gudz: "Ceramide synthase 6 knockdown suppresses apoptosis after photodynamic therapy in human head and neck squamous carcinoma cells." in: **Anticancer research**, Vol. 32, Issue 3, pp. 753-60, (2012) (PubMed).

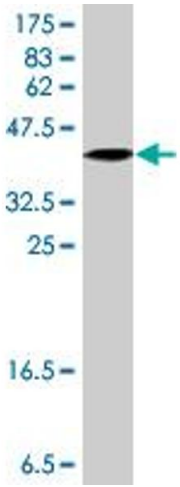
Publications

Separovic, Breen, Joseph, Bielawski, Pierce, VAN Buren, Gudz: "siRNA-mediated down-regulation of ceramide synthase 1 leads to apoptotic resistance in human head and neck squamous carcinoma cells after photodynamic therapy." in: **Anticancer research**, Vol. 32, Issue 7, pp. 2479-85, (2012) (PubMed).

Senkal, Ponnusamy, Manevich, Meyers-Needham, Saddoughi, Mukhopadyay, Dent, Bielawski, Ogretmen et al.: "Alteration of ceramide synthase 6/C16-ceramide induces activating transcription factor 6-mediated endoplasmic reticulum (ER) stress and apoptosis via perturbation of cellular Ca2+ and ER/Golgi ..." in: **The Journal of biological chemistry**, Vol. 286, Issue 49, pp. 42446-58, (2011) (PubMed).

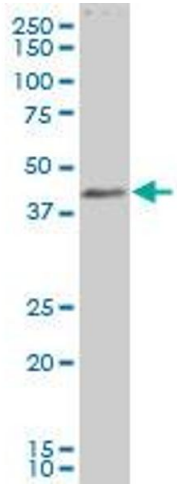
There are more publications referencing this product on: Product page

Images



Western Blotting

Image 1. Western Blot detection against Immunogen (33.81 KDa) .



Western Blotting

Image 2. LASS6 polyclonal antibody (A01), Lot # 061229JCSa Western Blot analysis of LASS6 expression in IMR-32