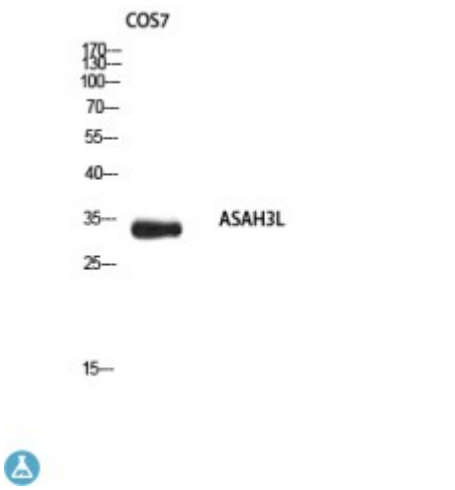
Anti-ASAH3L antibody



Description	Rabbit polyclonal to ASAH3L.

Model	STJ97626
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human ASAH3L
Immunogen Region	50-130 aa, Internal
Gene ID	340485
Gene Symbol	ACER2
Dilution range	WB 1:500-1:2000IHC-P 1:100-1:300ELISA 1:10000
Specificity	ASAH3L Polyclonal Antibody detects endogenous levels of ASAH3L protein.
Tissue Specificity	Highly expressed in placenta.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Alkaline ceramidase 2 AlkCDase 2 Alkaline CDase 2 haCER2 Acylsphingosine deacylase 3-like N-acylsphingosine amidohydrolase 3-like
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:23675OMIM:613492
Alternative Names	Alkaline ceramidase 2 AlkCDase 2 Alkaline CDase 2 haCER2 Acylsphingosine deacylase 3-like N-acylsphingosine amidohydrolase 3-like
Function	Hydrolyzes the sphingolipid ceramide into sphingosine and free fatty acid. Unsaturated long-chain ceramides are the best substrates, saturated long-chain ceramides and unsaturated very long-chain ceramides are good substrates, whereas saturated very long-chain ceramides and short-chain ceramides were poor substrates. The substrate preference is D-erythro-C(18:1)-, C(20:1)-, C(20:4)-ceramide > D-erythro-C(16:0)-, C(18:0), C(20:0)-ceramide > D-erythro-C(24:1)-ceramide > D-erythro-C(12:0)-ceramide, D-erythro-C(14:0)-ceramides > D-erythro-C(24:0)-ceramide > D-erythro-C(6:0)-ceramide. Inhibits the maturation of protein glycosylation in the Golgi complex, including that of integrin beta-1 (ITGB1) and of LAMP1, by increasing the levels of sphingosine. Inhibits cell adhesion by reducing the level of ITGB1 in the cell surface. May have a role in cell proliferation and apoptosis that seems to depend on the balance between sphingosine and sphingosine-1-phosphate.
Cellular Localization	Golgi apparatus membrane