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Datasheet for ABIN2783528
anti-CMAS antibody (N-Term)

1 Image

Overview

Quantity:	100 µL
Target:	CMAS
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Zebrafish (Danio rerio), Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CMAS antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CMAS
Sequence:	GRGVEKPPHL AALILARGGS KGIPLKNIKH LAGVPLIGWV LRAALDSGAF
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against CMAS. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CMAS
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Target Details

Alternative Name:	CMAS (CMAS Products)
Background:	<p>CMAS is an enzyme that catalyzes the activation of Neu5Ac to Cytidine 5-prime-monophosphate N-acetylneuraminic acid (CMP-Neu5Ac), which provides the substrate required for the addition of sialic acid. Sialic acids of cell surface glycoproteins and glycolipids play a pivotal role in the structure and function of animal tissues. The pattern of cell surface sialylation is highly regulated during embryonic development, and changes with stages of differentiation. Studies of a similar murine protein suggest that this protein localizes to the nucleus. The enzyme encoded by this gene catalyzes the activation of Neu5Ac to Cytidine 5-prime-monophosphate N-acetylneuraminic acid (CMP-Neu5Ac), which provides the substrate required for the addition of sialic acid. Sialic acids of cell surface glycoproteins and glycolipids play a pivotal role in the structure and function of animal tissues. The pattern of cell surface sialylation is highly regulated during embryonic development, and changes with stages of differentiation. Studies of a similar murine protein suggest that this protein localizes to the nucleus.</p> <p>Alias Symbols: CSS</p> <p>Protein Interaction Partner: SUMO2, SUMO3, UBC, FBXO6, APP, SIGLEC12,</p> <p>Protein Size: 434</p>
Molecular Weight:	48 kDa
Gene ID:	55907
NCBI Accession:	NM_018686 , NP_061156
UniProt:	Q8NFW8

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 434 AA
Restrictions:	For Research Use only

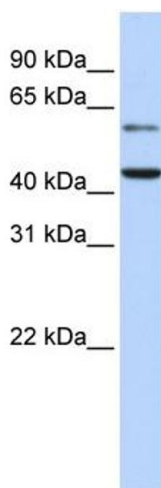
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-CMAS Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: Human brain