

Product datasheet

Anti-CMAS antibody ab57454

2 Images

Overview

Product name	Anti-CMAS antibody
Description	Mouse monoclonal to CMAS
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment: EGYDSVFSVV RRHQFRWSEI QKGVREVTEP LNLNPAKRPR RQDWDGELYE NGSFYFAKRH LIEMGYLQGG KMAYYEMRAE HSDIDVDID WPIAEQRVLR , corresponding to amino acids 164-264 of Human CMAS Run BLAST with ExPASy Run BLAST with NCBI

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None PBS, pH 7.2
Purity	Protein G purified
Clonality	Monoclonal
Isotype	IgG2a
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab57454** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		
IHC-P		

Application notes

WB: Use at a concentration of 1-5 µg/ml.

IHC-P: Use at a concentration of 3 µg/ml.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Function

Catalyzes the activation of N-acetylneuraminic acid (NeuNAc) to cytidine 5'-monophosphate N-acetylneuraminic acid (CMP-NeuNAc), a substrate required for the addition of sialic acid. Has some activity toward NeuNAc, N-glycolylneuraminic acid (Neu5Gc) or 2-keto-3-deoxy-D-glycero-D-galacto-nononic acid (KDN).

Tissue specificity

Ubiquitously expressed. Expressed in pancreas, kidney, liver, skeletal muscle, lung, placenta, brain, heart, colon, PBL, small intestine, ovary, testis, prostate, thymus and spleen.

Pathway

Amino-sugar metabolism; N-acetylneuraminate metabolism.

Sequence similarities

Belongs to the CMP-NeuNAc synthase family.

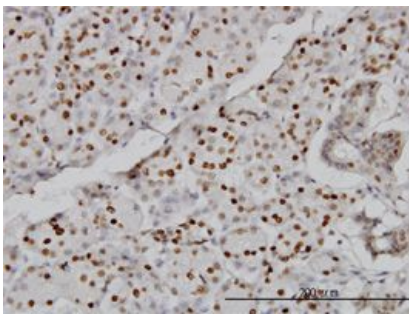
Domain

The BC2 (basic cluster 2) motif is necessary and sufficient for the nuclear localization and contains the catalytic active site. The localization in the nucleus is however not required for the enzyme activity.

Cellular localization

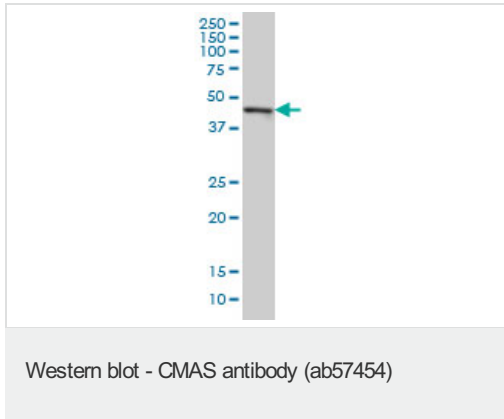
Nucleus.

Images



CMAS antibody (ab57454) used in immunohistochemistry at 3µg/ml on formalin fixed and paraffin embedded human salivary gland.

IHC-P - CMAS antibody (ab57454)



Predicted band size : 48 kDa

CMAS antibody (ab57454) at 1ug/lane +
HeLa cell lysate at 25ug/lane.

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