Datasheet for ABIN7599025

anti-MOCS2 antibody (AA 1-168)

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Overview

Quantity:	100 µg
Target:	MOCS2
Binding Specificity:	AA 1-168
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MOCS2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-MOCS2 Antibody Picoband®
Immunogen:	E.coli-derived human MOCS2 recombinant protein (Position: M1-E168).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-MOCS2 Antibody Picoband® (ABIN7599025). Tested in ELISA, IHC, WB, Flow Cytometry applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	MOCS2
Alternative Name:	MOCS2 (MOCS2 Products)
Background:	Synonyms: Amyloid-beta A4 precursor protein-binding family A member 3, Adapter protein X11gamma, Neuron-specific X11L2 protein, Neuronal Munc18-1-interacting protein 3, Mint-3, APBA3, MINT3, X11L2 Tissue Specificity: Expressed in all tissues examined with lower levels in brain and testis. Background: Molybdenum cofactor synthesis protein 2A and molybdenum cofactor synthesis protein 2B are a pair of proteins that in humans are encoded from the same MOCS2 gene. Eukaryotic molybdoenzymes use a unique molybdenum cofactor (MoCo) consisting of a pterin, termed molybdopterin, and the catalytically active metal molybdenum. MoCo is synthesized from precursor Z by the heterodimeric enzyme molybdopterin synthase. The large and small subunits of molybdopterin synthase are both encoded from this gene by overlapping open reading frames. The proteins were initially thought to be encoded from a bicistronic transcript. They are now thought to be encoded from monocistronic transcripts. Alternatively spliced transcripts have been found for this locus that encode the large and small subunits.
Molecular Weight:	21 kDa
Gene ID:	4338
UniProt:	O96007

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry, 2-5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, -

1. Dickinson, M. E., Flenniken, A. M., Ji, X., Teboul, L., Wong, M. D., White, J. K., Meehan, T. F., Weninger, W. J., Westerberg, H., Adissu, H., Baker, C. N., Bower, L., and 73 others. High-throughput discovery of novel developmental phenotypes. Nature 537: 508-514, 2016. Note: Erratum: Nature 551: 398 only, 2017. 2. Hahnewald, R., Leimkuhler, S., Vilaseca, A., Acquaviva-Bourdain, C., Lenz, U., Reiss, J. A novel MOCS2 mutation reveals coordinated expression of the small and large subunit of molybdopterin synthase. Molec. Genet. Metab. 89: 210-213, 2006. 3. Johnson, J. L., Coyne, K. E., Rajagopalan, K. V., Van Hove, J. L. K., Mackay, M., Pitt, J., Boneh, A. Molybdopterin synthase mutations in a mild case of molybdenum cofactor deficiency. Am. J. Med. Genet. 104: 169-173, 2001.

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.