

Datasheet for ABIN7601718
anti-MPPE1 antibody (AA 43-329)



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Overview

Quantity:	100 µg
Target:	MPPE1
Binding Specificity:	AA 43-329
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MPPE1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-MPPE1 Antibody Picoband®
Immunogen:	E.coli-derived human MPPE1 recombinant protein (Position: Y43-R329).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-MPPE1 Antibody Picoband® (ABIN7601718). Tested in ELISA, WB, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. 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:	MPPE1
Alternative Name:	MPPE1 (MPPE1 Products)
Background:	Synonyms: Histone H3/a, Histone H3/b, Histone H3/c, Histone H3/d, Histone H3/f, Histone H3/h, Histone H3/l, Histone H3/j, Histone H3/k, Histone H3/l, HIST1H3A, HIST1H3B, HIST1H3C, HIST1H3D, HIST1H3E, HIST1H3F, HIST1H3G, HIST1H3H, HIST1H3I, HIST1H3J, H3FJ Tissue Specificity: Expressed in fetal brain, fetal lung, fetal liver, heart, brain, placenta, lung, liver, muscle, kidney and pancreas. Background: MPPE1 encodes a metallophosphoesterase protein that is widely brain expressed and is a member of the calcineurin-like phosphoesterase superfamily. Phosphoesterases are involved in a variety of diverse biochemical reactions, including protein phosphorylation-dephosphorylation processes that modulate functional properties of proteins. The MPPE1 gene is located on chromosome 18p11.21 and is flanked by the G protein Golf alpha (GNAL) gene and the myo-inositol monophosphatase gene (IMPA2). Variation in the MPPE1 gene might lead to an altered enzyme with downstream effects on protein phosphorylation involved in cellular signaling.
Molecular Weight:	45 kDa
Gene ID:	65258
UniProt:	Q53F39
Pathways:	Inositol Metabolic Process

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Vuoristo, J. T., Ala-Kokko, L. cDNA cloning, genomic organization and expression of the novel human metallophosphoesterase gene MPPE1 on chromosome 18p11.2. Cytogenet. Cell Genet. 95: 60-63, 2001.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
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.