

Anti-Alpha-Adaptin Antibody (Monoclonal, 100/2)

Catalog # ABO10488

Product Information

Application	WB
Primary Accession	D3ZUY8
Host	Mouse
Isotype	Mouse IgG2a
Reactivity	Human, Rat
Clonality	Monoclonal
Format	Lyophilized
Description	Mouse IgG monoclonal antibody for alpha-Adaptin, adaptor-related protein complex 2, alpha 1 subunit (AP2A1) detection. Tested with WB in Human;rat. No cross reactivity with other proteins.
Reconstitution	Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Additional Information

Calculated MW	107675 Da
Application Details	Western blot, 2-4 µg/ml, Human, rat
Subcellular Localization	AP2A1: Cell membrane Membrane,coated pit Note: AP-2 appearsto be excluded from internalizing CCVs and to disengage from sitesof endocytosis seconds before internalization of the nascent CCV. Ap2a1: Cell membrane Membrane,coated pit Note: AP-2 appearsto be excluded from internalizing CCVs and to disengage from sitesof endocytosis seconds before internalization of the nascent CCV.
Tissue Specificity	AP2A1: Isoform A expressed in forebrain, skeletal muscle, spinal cord, cerebellum, salivary gland, heart and colon.Isoform B is widely expressed in tissues and also in breast cancerand in prostate carcinoma cells.
Protein Name	AP-2 complex subunit alpha-1
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative.
Clone Names	100/2
Immunogen	AP-2 adaptor polypeptides from bovine brain.
Purification	Ascites
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also

Sequence Similarities

be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Belongs to the adaptor complexes large subunit family.

Protein Information

Background

Alpha Adaptin, also known as adaptor related protein complex, alpha 1 subunit. The alpha adaptins are exclusively found in the endocytic coated vesicles. Huntingtin-interacting protein 1(HIP1) is enriched in membrane-containing cell fractions and has been implicated in vesicle trafficking. Waelter et al.(2001) identified 3 HIP1-associated proteins, clathrin heavy chain(CLTC)and alpha-adaptin A and C. Coat proteins of approximately 100-kD(adaptins) are components of the adaptor complexes which link clathrin to receptors in coated vesicles. The alpha-adaptins separate into two bands on SDS gels.

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