

**Anti-Alpha-Adaptin Antibody (Monoclonal, 100/2)**  
**Catalog # ABO10488****Specification****Anti-Alpha-Adaptin Antibody (Monoclonal, 100/2) - Product Information**

Application	WB
Primary Accession	<a href="#">D3ZUY8</a>
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.

**Anti-Alpha-Adaptin Antibody (Monoclonal, 100/2) - Additional Information****Calculated MW**

107675 MW KDa

**Application Details**

Western blot, 2-4 µg/ml, Human, rat<br>

**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.

**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 reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

**Sequence Similarities**

Belongs to the adaptor complexes large subunit family.

**Anti-Alpha-Adaptin Antibody (Monoclonal, 100/2) - Protein Information****Anti-Alpha-Adaptin Antibody (Monoclonal, 100/2) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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