

AP2A1 polyclonal antibody

Catalog # PAB9935 Size 100 ug

Applications

Western Blot (Cell lysate)

Western blot using AP2A1 polyclonal antibody (Cat # PAB9935) shows detection of a band just below 100 KDa correspond-ing to Human AP2A1 in a various preparations.

Lane 1 - HeLa nuclear extract.

Lane 2 - HeLa.

Lane 3 - 293.

Lane 4 - A-431.

Lane 5 - Jurkat whole cell lysates.

In lanes 6-10 the antibody was preincubated with 1 ug/mL of the immunizing peptide which effectively blocks the specific reactivity of this antibody with AP2A1.

Approximately 20 ug of each lysate was run on a SDS-PAGE and transferred onto nitrocellulose followed by reaction with a 1 : 500 dilution of AP2A1 polyclonal antibody.

Detection occurred using a 1 : 5,000 dilution of HRP-labeled Rabbit anti-Goat IgG for 1 hour at room temperature.

A chemiluminescence system was used for signal detection using a 60-sec exposure time.



Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of AP2A1.
Immunogen	A synthetic peptide corresponding to amino acids 3-14 of human AP2A1.
Host	Goat
Reactivity	Chicken, Chimpanzee, Dog, Human, Mouse, Orangutan, Rat
Form	Liquid

Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:5000-1:20000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH ₂ PO ₄ , 150 mM NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — AP2A1

Entrez GeneID	160
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Protein Accession#	O95782;NP_055018(alpha1);NP_036437(alpha2)
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Gene Name	AP2A1
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Gene Alias	ADTAA, AP2-ALPHA, CLAPA1
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Gene Description	adaptor-related protein complex 2, alpha 1 subunit
Omim ID	601026
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the alpha 1 adaptin subunit of the adaptor protein 2 (AP-2) complex found in clathrin coated vesicles. The AP-2 complex is a heterotetramer consisting of two large adaptins (alpha or beta), a medium adaptin (mu), and a small adaptin (sigma). The complex is part of the protein coat on the cytoplasmic face of coated vesicles which links clathrin to receptors in vesicles. Alternative splicing of this gene results in two transcript variants encoding two different isoforms. A third transcript variant has been described, but its full length nature has not been determined. [provided by RefSeq]
Other Designations	100 kDa coated vesicle protein A adaptin, alpha A clathrin-associated/assembly/adaptor protein, large, alpha 1

Publication Reference

- [Identification and regulation of tissue-specific cis-acting elements associated with the human AP-2alpha gene.](#)
 Zhang J, Williams T.
 Developmental Dynamics 2003 Oct; 228(2):194.
 Application: IHC, Mouse, Mouse head
- [Cloning, physical mapping and structural characterization of the human alpha\(A\)-adaptin gene.](#)
 Scorilas A, Levesque MA, Ashworth LK, Diamandis EP.
 Gene 2002 May; 289(1-2):191.
- [Adaptins: the final recount.](#)
 Boehm M, Bonifacino JS.
 Molecular Biology of the Cell 2001 Oct; 12(10):2907.
 Application: WB-Ti, Mouse, Pig, Brains, Skeletal muscles

Pathway

- [Endocytosis](#)