

Goat AP2A1 / AP2-Alpha Polyclonal Antibody | anti-AP2A1 antibody

Goat Polyclonal to Human AP2A1 / AP2-Alpha

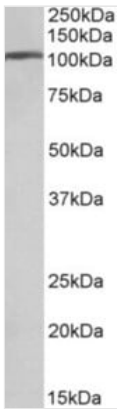
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52380	Goat	Gibbon, Chimpanzee, Dog, Gorilla, Horse, Human, Monkey, Mouse, Pig, Rabbit	ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

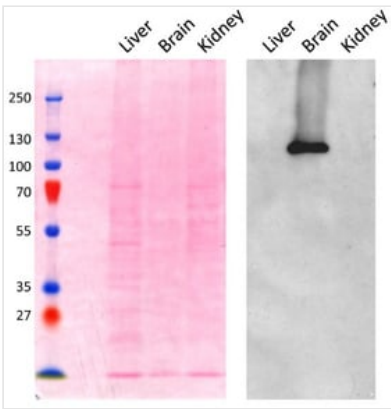
AP2A1 / AP2-Alpha; Polyclonal Antibody; Goat Polyclonal to Human AP2A1 / AP2-Alpha; Anti-AP2A1 / AP2-Alpha Antibody (aa706-727) IHC-plus; AP2A1; Adaptin; alpha A; ADTAA; Alpha-adaptin A; Alpha1-adaptin; AP-2 complex subunit alpha-1; AP2 Alpha; CLAPA1; AP2-alpha; Human AP2A1; AP2-Alpha; anti-AP2A1 antibody

PRODUCT SPECIFICATIONS

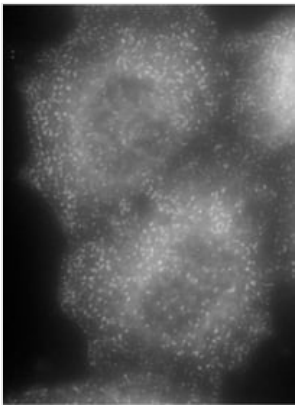
Host	Goat
Reactivity	Gibbon, Chimpanzee, Dog, Gorilla, Horse, Human, Monkey, Mouse, Pig, Rabbit
Clonality	Polyclonal
Specificity	Human AP2A1 / AP2-Alpha. This antibody is expected to recognize reported isoform 1 (NP_055018.2) only.
Purity/Purification	Immunoaffinity Purified
Form/Format	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	977
Applicable Applications for anti-AP2A1 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide C-ELEPPAPESPMALLADPAPAAD from an internal region of human AP2A1 / AP2-Alpha (NP_055018.2).
Immunogen Type	Synthetic peptide
Immunogen	AP2A1 / AP2-Alpha antibody was raised against synthetic peptide C-ELEPPAPESPMALLADPAPAAD from an internal region of human AP2A1 / AP2-Alpha (NP_055018.2). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Ferret, Dog, Cat, Panda, Horse, Rabbit, Pig (100%); Rat (95%); Opossum, Guinea pig (91%).
Antigen Modification	aa706-727
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.



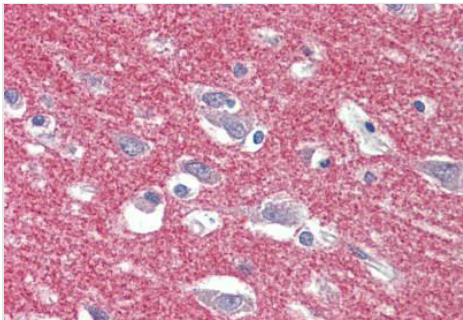
WB (Western Blot)
AP2A1 antibody (0.01 ug/ml) staining of Human Frontal Cortex lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



WB (Western Blot)
AP2A1 antibody (0.1 ug/ml) staining of Mouse Brain lysate (~5 ug protein in SDSPAGE buffer). The left panel shows the same blot stained with Ponceau red for total protein stain as the loading control before labeling. Primary incubation was 1 hour. Detected by chemiluminescence. Data obtained from Prof. M Robinson, CIMR, Cambridge, UK



ICC (Immunocytochemistry)
AP2A1 antibody (0.1 ug/ml) staining of methanol-fixed HeLa cells with stably expressing Mouse Ap2a1. Primary incubation was 1 hour. Detected by Alexa Fluor 594. Data obtained from Prof. M Robinson, CIMR, Cambridge, UK



IHC (Immunohistochemistry)
Anti-AP2A1 / AP2-Alpha antibody IHC staining of human brain, cortex. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-AP2A1 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19913414
NCBI GeneID	160
NCBI Accession #	NP_055018.2
NCBI GenBank Nucleotide #	NM_014203.2
UniProt Accession #	O95782; Q96C17; Q96PP6; Q96PP7; Q9H070
Molecular Weight	105,361 Da
NCBI Official Full Name	AP-2 complex subunit alpha-1 isoform 1

NCBI Official Synonym Full Names	adaptor-related protein complex 2, alpha 1 subunit
NCBI Official Symbol	AP2A1
NCBI Official Synonym Symbols	ADTAA; CLAPA1; AP2-ALPHA
NCBI Protein Information	AP-2 complex subunit alpha-1; alpha1-adaptin; alpha-adaptin A; adaptin, alpha A; 100 kDa coated vesicle protein A; adaptor protein complex AP-2 subunit alpha-1; adapter-related protein complex 2 alpha-1 subunit; adapter-related protein complex 2 subunit alpha-1; adaptor-related protein complex 2 subunit alpha-1; clathrin assembly protein complex 2 alpha-A large chain; plasma membrane adaptor HA2/AP2 adaptin alpha A subunit; clathrin-associated/assembly/adaptor protein, large, alpha 1
UniProt Protein Name	AP-2 complex subunit alpha-1
UniProt Gene Name	AP2A1
UniProt Synonym Gene Names	ADTAA; CLAPA1
UniProt Entry Name	AP2A1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/ap2a1-ap2-alpha-antibody-western-blot-immunohistochemistry-elisa/52380>