

AP180 Rabbit pAb

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Catalog # AP54457

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O60641
Reactivity	Rat
Predicted	Pig, Dog, Human, Mouse, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	92502
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human AP180
Epitope Specificity	201-300/907
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Component of the coat surrounding the cytoplasmic face of coated vesicles in the plasma membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Clathrin-coated pits and vesicles are assembled for receptor-mediated endocytosis through interaction with Clathrin associated protein complexes. Vesicle transport is mediated from the trans-Golgi network by the adapter complex AP-1 and from the plasma membrane by the AP-2 complex. The AP-1 and AP-2 adapter protein complexes consist of Clathrin binding Adaptin proteins (g and b1 for AP-1, a and b2 for AP-2) and two smaller subunits known as AP50 and AP17. The a and b Adaptin chains have a similar two-domain organization with C-terminal domains that vary in both sequence and length. a-Adaptin splice variants A and C display variable relative expression levels and differential distribution in different tissues. AP-3 (also designated AP180 or F1-20) is a synapse-specific Clathrin assembly protein. The protein CALM (Clathrin assembly protein lymphoid myeloid leukemia) is highly homologous to AP180 and may also be involved in Clathrin assembly.

Additional Information

Gene ID	9892
Other Names	Clathrin coat assembly protein AP180, 91 kDa synaptosomal-associated protein, Clathrin coat-associated protein AP180, Phosphoprotein F1-20, SNAP91, KIAA0656
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
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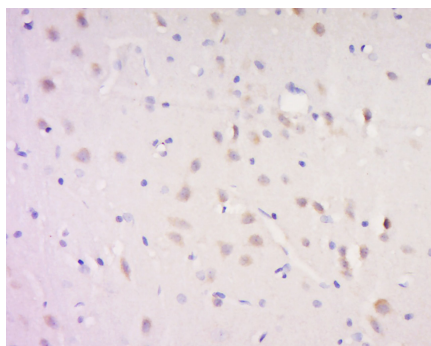
Protein Information

Name	SNAP91
Synonyms	KIAA0656
Function	Adaptins are components of the adapter complexes which link clathrin to receptors in coated vesicles. Clathrin-associated protein complexes are believed to interact with the cytoplasmic tails of membrane proteins, leading to their selection and concentration. Binding of AP180 to clathrin triskelia induces their assembly into 60- 70 nm coats (By similarity).
Cellular Location	Cell membrane. Membrane, coated pit; Peripheral membrane protein; Cytoplasmic side. Note=Component of the coat surrounding the cytoplasmic face of coated vesicles in the plasma membrane

Background

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Images



Tissue/cell: Rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
 Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
 Incubation: Anti-AP180 Polyclonal Antibody, Unconjugated(AP54457) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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