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AP3B2 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS15596

Specification

AP3B2 Antibody (N-Terminus) - Product Information

Application	**IHC, IF, WB**
Primary Accession	Q13367
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**119kDa KDa**

AP3B2 Antibody (N-Terminus) - Additional Information

Gene ID 8120

Other Names
AP-3 complex subunit beta-2, Adaptor protein complex AP-3 subunit beta-2, Adaptor-related protein complex 3 subunit beta-2, Beta-3B-adaptin, Clathrin assembly protein complex 3 beta-2 large chain, Neuron-specific vesicle coat protein beta-NAP, AP3B2

Target/Specificity
Human AP3B2.

Reconstitution & Storage
Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions
AP3B2 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

AP3B2 Antibody (N-Terminus) - Protein Information

Name AP3B2

Function
Subunit of non-clathrin- and clathrin-associated adaptor protein complex 3 (AP-3) that plays a role in protein sorting in the late-Golgi/trans-Golgi network (TGN) and/or endosomes. The AP complexes mediate both the recruitment of clathrin to membranes and the recognition of sorting signals within the cytosolic tails of transmembrane cargo molecules. AP-3 appears to be involved in the sorting of a subset of transmembrane proteins targeted to lysosomes and lysosome-related organelles. In concert with the BLOC-1 complex, AP-3 is required to target cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals.

Cellular Location
Cytoplasmic vesicle, clathrin-coated vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Golgi apparatus Note=Component of the coat surrounding the cytoplasmic face

of coated vesicles located at the Golgi complex.

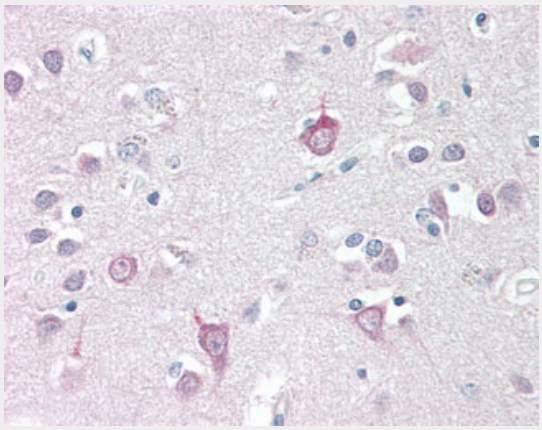
Tissue Location
Isoform 1 expression is specific to nervous system. Expressed in nerve terminal and cell body, and is associated with nerve-terminal vesicles. Expression seen in Purkinje cells, cortical neurons, neuroectodermal tumors and graded in cerebral cortex (deeper layers exhibit stronger expression) (PubMed:1851215). Isoform 2 is expressed at high levels in brain and testis (PubMed:17453999)

AP3B2 Antibody (N-Terminus) - Protocols

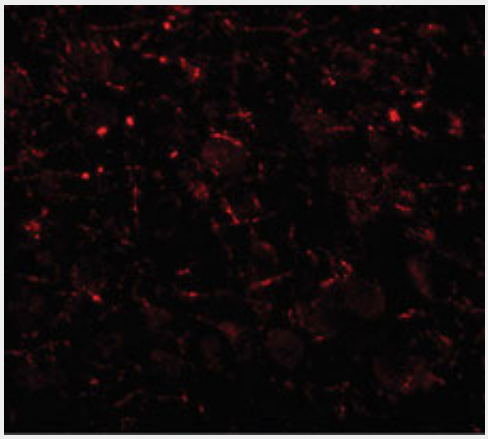
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

AP3B2 Antibody (N-Terminus) - Images



Anti-AP3B2 antibody IHC staining of human brain, cortex.



Immunofluorescence of AP3B2 in mouse brain tissue with AP3B2 antibody at 20 ug/ml.

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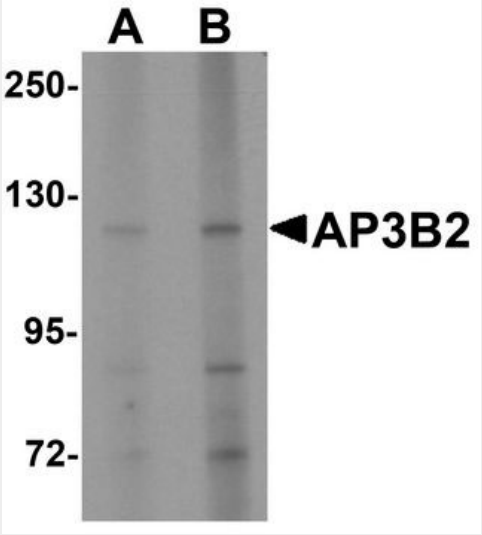

Western blot analysis of AP3B2 in rat brain tissue lysate with AP3B2 antibody at (A) 1 and (B) 2...

AP3B2 Antibody (N-Terminus) - Background

Subunit of non-clathrin- and clathrin-associated adaptor protein complex 3 (AP-3) that plays a role in protein sorting in the late-Golgi/trans-Golgi network (TGN) and/or endosomes. The AP complexes mediate both the recruitment of clathrin to membranes and the recognition of sorting signals within the cytosolic tails of transmembrane cargo molecules. AP-3 appears to be involved in the sorting of a subset of transmembrane proteins targeted to lysosomes and lysosome-related organelles. In concert with the BLOC-1 complex, AP-3 is required to target cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals.

AP3B2 Antibody (N-Terminus) - References

Newman L.S.,et al.Cell 82:773-783(1995).
Chen C.,et al.DNA Seq. 18:165-168(2007).
Peden A.A.,et al.Submitted (AUG-1997) to the EMBL/GenBank/DDBJ databases.
Zody M.C.,et al.Nature 440:671-675(2006).
Darnell R.B.,et al.J. Neurosci. 11:1224-1230(1991).