

**Epsin2 Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP2182a****Specification**

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**Epsin2 Antibody (N-term) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">O95208</a>
Other Accession	<a href="#">O9Z1Z3</a> , <a href="#">O8CHU3</a> , <a href="#">O88339</a> , <a href="#">O80VP1</a> , <a href="#">O9Y6I3</a> , <a href="#">O8IYW4</a>
Reactivity	<b>Human, Mouse</b>
Predicted	<b>Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>68482</b>
Antigen Region	<b>6-36</b>

**Epsin2 Antibody (N-term) - Additional Information****Gene ID** 22905**Other Names**

Epsin-2, EPS-15-interacting protein 2, EPN2, KIAA1065

**Target/Specificity**

This Epsin2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 6-36 amino acids from the N-terminal region of human Epsin2.

**Dilution**WB~~1:1000  
IHC-P~~1:50~100**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Epsin2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**Epsin2 Antibody (N-term) - Protein Information****Name** EPN2

## Synonyms KIAA1065

**Function** Plays a role in the formation of clathrin-coated invaginations and endocytosis.

## Cellular Location

Cytoplasm. Cytoplasmic vesicle, clathrin-coated vesicle. Note=In punctate structures throughout the cell, associated with clathrin-coated vesicles, and particularly concentrated in the region of the Golgi complex

## Tissue Location

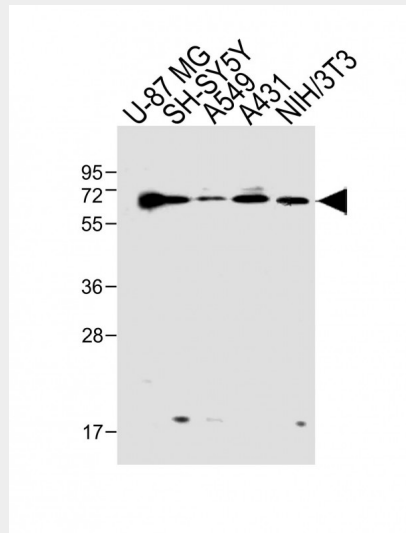
Highest expression is found in brain. Detected at lower levels in lung and liver.

## Epsin2 Antibody (N-term) - Protocols

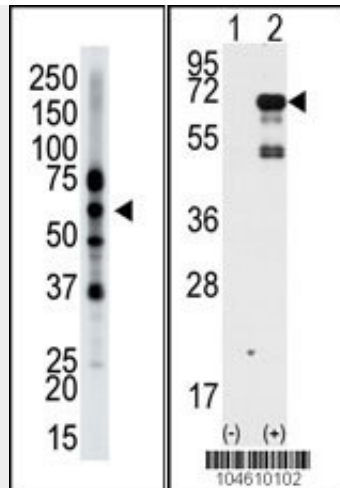
Provided below are standard protocols that you may find useful for product applications.

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

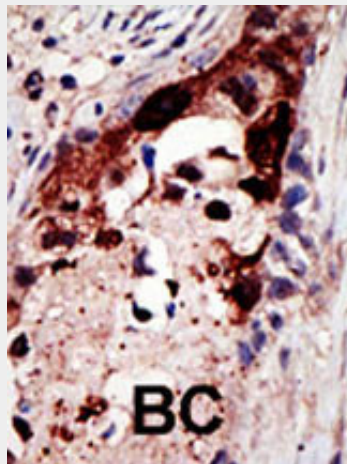
## Epsin2 Antibody (N-term) - Images



All lanes : Anti-Epsin2/1 Antibody (N-term) at 1:1000 dilution Lane 1: U-87 MG whole cell lysate Lane 2: SH-SY5Y whole cell lysate Lane 3: A549 whole cell lysate Lane 4: A431 whole cell lysate Lane 5: NIH/3T3 whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 68 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



The anti-Epsin2 Pab (Cat. #AP2182a) is used in Western blot to detect Epsin2 in mouse brain tissue lysate.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

### Epsin2 Antibody (N-term) - Background

Epsin2 plays a role in the formation of clathrin-coated invaginations and endocytosis. It binds to EPS15 (via the NPF repeat domain), as well as to AP-2 and clathrin (via the DPW repeat domain). The protein resides in the cytoplasm, in punctate structures throughout the cell, associated with clathrin-coated vesicles, and is particularly concentrated in the region of the Golgi complex. Highest expression is found in brain, with lower levels detected in lung and liver.

### Epsin2 Antibody (N-term) - References

- Ota, T., et al., Nat. Genet. 36(1):40-45 (2004).
- Kikuno, R., et al., DNA Res. 6(3):197-205 (1999).
- Rosenthal, J.A., et al., J. Biol. Chem. 274(48):33959-33965 (1999).

### Epsin2 Antibody (N-term) - Citations

- [Endocytic recycling protein EHD1 regulates primary cilia morphogenesis and SHH signaling during neural tube development.](#)