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**Product Name: Epsin 2 Rabbit Polyclonal Antibody****Catalog #: APRab10555**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
<b>Molecular Weight</b>	68kDa

**Antigen Information**

<b>Gene Name</b>	EPN2
<b>Alternative Names</b>	EPN2; KIAA1065; Epsin-2; EPS-15-interacting protein 2
<b>Gene ID</b>	22905.0
<b>SwissProt ID</b>	O95208
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human EPN2. AA range:271-320

**Background**

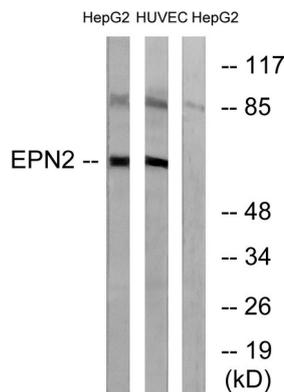
This gene encodes a protein which interacts with clathrin and adaptor-related protein complex 2, alpha 1 subunit. The protein is

found in a brain-derived clathrin-coated vesicle fraction and localizes to the peri-Golgi region and the cell periphery. The protein is thought to be involved in clathrin-mediated endocytosis. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008],caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,domain:The DPW repeat domain is involved in AP-2 and clathrin binding.,domain:The NPF repeat domain is involved in EPS15 binding.,function:Plays a role in the formation of clathrin-coated invaginations and endocytosis.,PTM:Ubiquitinated.,similarity:Belongs to the epsin family.,similarity:Contains 1 ENTH (epsin N-terminal homology) domain.,similarity:Contains 2 UIM (ubiquitin-interacting motif) repeats.,subcellular location:In punctate structures throughout the cell, associated with clathrin-coated vesicles, and particularly concentrated in the region of the Golgi complex.,subunit:Binds EPS15 (By similarity). Binds AP-2 and clathrin.,tissue specificity:Highest expression is found in brain. Detected at lower levels in lung and liver.,

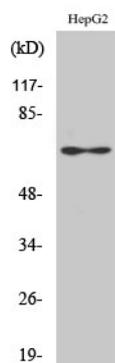
## Research Area

Endocytosis;

## Image Data



Western blot analysis of lysates from HepG2 and HUVEC cells, using EPN2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Epsin 2 Polyclonal Antibody diluted at 1 : 1000