



# Epsin 2 Polyclonal Antibody

<b>Catalog No</b>	BYab-03860
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	EPN2
<b>Protein Name</b>	Epsin-2
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human EPN2. AA range:271-320
<b>Specificity</b>	Epsin 2 Polyclonal Antibody detects endogenous levels of Epsin 2 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	EPN2; KIAA1065; Epsin-2; EPS-15-interacting protein 2
<b>Observed Band</b>	68kD
<b>Cell Pathway</b>	Cytoplasm . Cytoplasmic vesicle, clathrin-coated vesicle . In punctate structures throughout the cell, associated with clathrin-coated vesicles, and particularly concentrated in the region of the Golgi complex.
<b>Tissue Specificity</b>	Highest expression is found in brain. Detected at lower levels in lung and liver.
<b>Function</b>	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

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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.,

**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],

**matters needing attention**

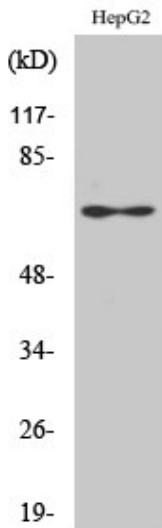
Avoid repeated freezing and thawing!

**Usage suggestions**

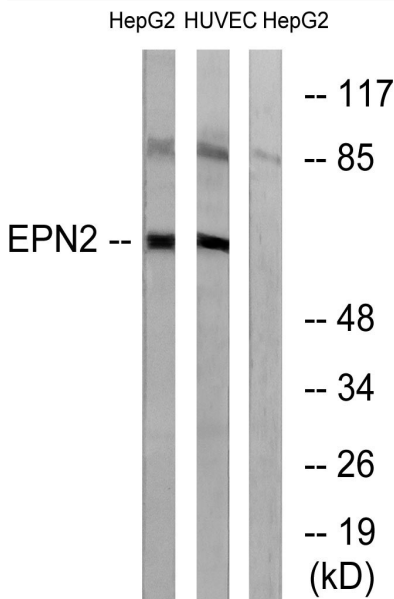
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



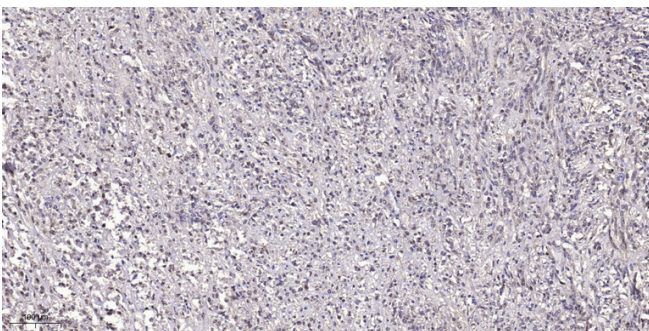
## Products Images



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



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



Immunohistochemical analysis of paraffin-embedded human small intestinal carcinoma tissue. 1,primary Antibody was diluted at 1:200(4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval(>98° C,20min). 3,Secondary antibody was diluted at 1:200

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