bs-1228R

[Primary Antibody]

www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

alpha Adaptin Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 160 SWISS: 094973

Target: alpha Adaptin

Immunogen: KLH conjugated synthetic peptide derived from human alpha

Adaptin: 21-150/939.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: Clathrin-mediated endocytosis is the pathway by which many receptors for nutrients and hormones are internalized to be recycled or down-regulated. During formation of clathrin coated membranes, clathrin co-assembles with heterotetrameric molecules known as assembly polypeptides (APs) or adaptors which form a layer of protein coat between the clathrin lattice and the membrane. There are two characterized adaptors AP1 and AP2. AP1 is associated with clathrin coated vesicles at the trans-Golgi network and AP2 is associated with the endocytic clathrin coated vesicles at the plasma membrane and has been shown to specifically interact with Shc and EGF receptor. AP2 is composed of four subunits, two separate 100 kDa gene products with similar domain structures (alpha and beta adaptin) and a 50 and 17 kDa subunit. There are two alpha-adaptin genes, alpha A and alpha C which have a tissue specific pattern of expression.

Applications: WB (1:500-2000)

IHC-P (1:100-500) IHC-F (1:100-500) **IF** (1:100-500)

Reactivity: Mouse, Rat

(predicted: Human, Rabbit,

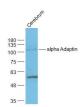
Cow, Horse)

Predicted

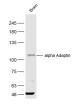
MW.: ¹⁰³ kDa

Subcellular Location: Cell membrane ,Cytoplasm

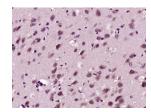
VALIDATION IMAGES



Sample: Cerebrum (Rat) Lysate at 40 ug Primary: Anti-alpha Adaptin (bs-1228R) at 1/2000 dilution Secondary: IRDve800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 103 kD Observed band size: 103 kD



Sample: Brain (Mouse) Lysate at 40 ug Primary: Anti-alpha Adaptin (bs-1228R) at 1/300 dilution Secondary: IRDve800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 103 kD Observed band size: 103 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (alpha Adaptin) Polyclonal Antibody, Unconjugated (bs-1228R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.