

## Rabbit Anti-DAL1/EPB41L3 antibody

SL6003R

**Product Name** DAL1/EPB41L3

**Chinese Name** Cytoskeleton4.1 蛋白家族 DAL1 抗体

**Alias** Differentially expressed in adenocarcinoma of the lung protein 1; 4.1B; Band 4.1 like protein 3; DAL 1; DAL1; EPB41L3; Erythrocyte membrane protein band 4.1 like 3; HGNC:3380; KIAA0987; E41L3\_HUMAN.

**Research Area** Tumour Cell biology immunology Neurobiology Cytoskeleton The cell membrane 蛋白

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** Human, Mouse, Rat, (predicted: Chicken, Dog, Pig, Cow, Horse, Rabbit, Sheep, )

WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)

**Applications** not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 120kDa

**Cellular localization** cytoplasmic The cell membrane

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human DAL1/EPB41L3: 131-230/1087

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

**Attention** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**PubMed**

[PubMed](#)

EPB41L3 is an actin-binding protein originally identified as a molecule whose expression is down-regulated in lung adenocarcinoma. EPB41L3 is a member of the protein 4.1 superfamily, which encompasses structural proteins that play important roles in membrane processes via interactions with actin, spectrin, and the cytoplasmic domains of integral membrane proteins. The gene for EPB41L3 is thought to function as a tumor suppressor and localizes within chromosomal region 18p11.3, which is affected by loss of heterozygosity (LOH) in various adult tumors.

**Function:**

Critical growth regulator in the pathogenesis of meningiomas.

**Subunit:**

Interacts with CADM1.

**Subcellular Location:**

Cytoplasm, cytoskeleton

**Tissue Specificity:**

Expressed at high levels in brain, with lower levels in kidney, intestine, and testis.

**Product  
Detail**

**Similarity:**

ontains 1 FERM domain.

**SWISS:**

Q9Y2J2

**Gene ID:**

23136

**Database links:**

[Entrez Gene: 23136](#) Human

[Entrez Gene: 13823](#) Mouse

[Entrez Gene: 116724](#) Rat

[Omim: 605331](#) Human

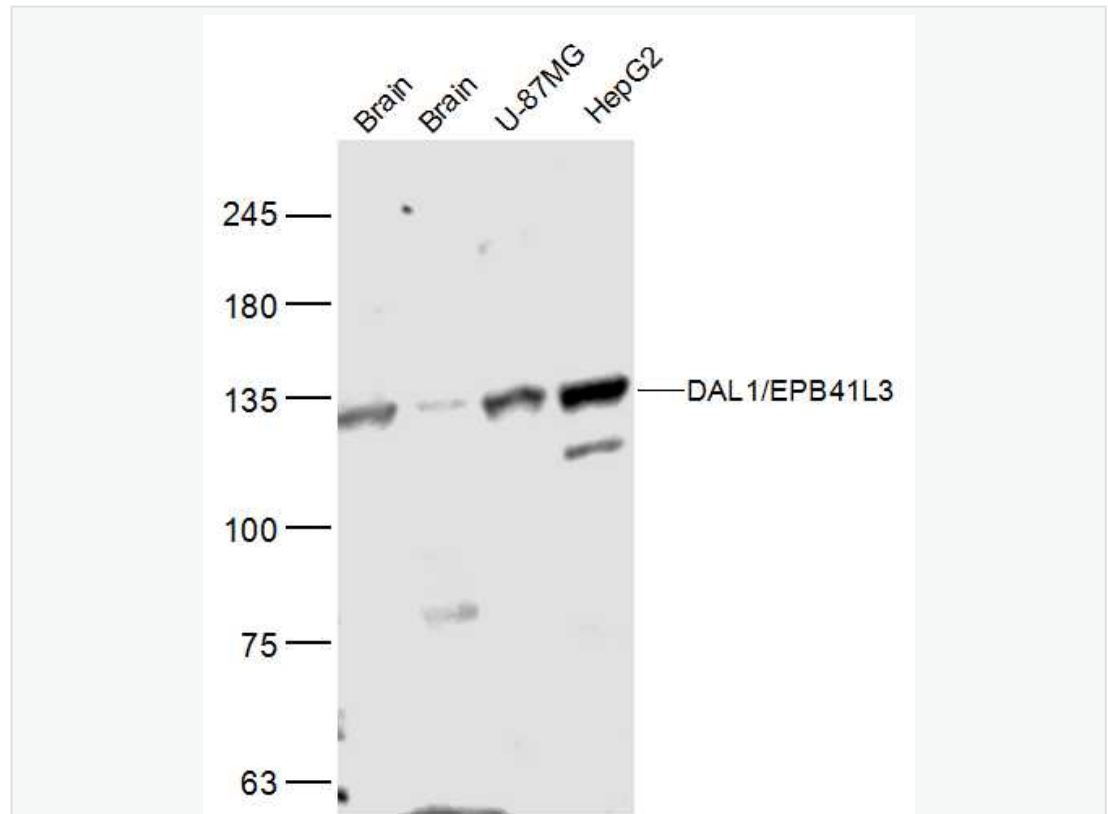
[SwissProt: Q9Y2J2](#) Human

[SwissProt: Q9WV92](#) Mouse

[Unigene: 213394](#) Human

[Unigene: 131135](#) Mouse

**Product  
Picture**



Sample:

Brain (Mouse) Lysate at 40 ug

Brain (Rat) Lysate at 40 ug

U-87MG (Human) CellLysate at 30 ug

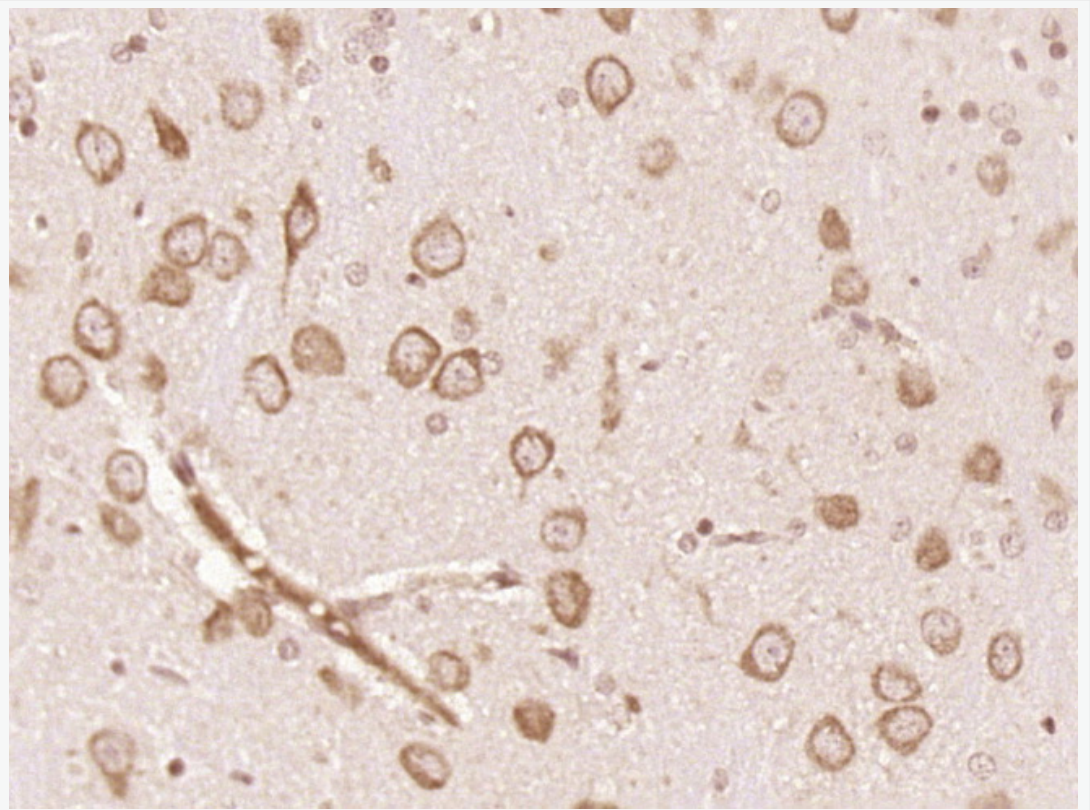
HepG2 (Human) CellLysate at 30 ug

Primary: Anti-DAL1/EPB41L3 (SL6003R) at 1/500 dilution

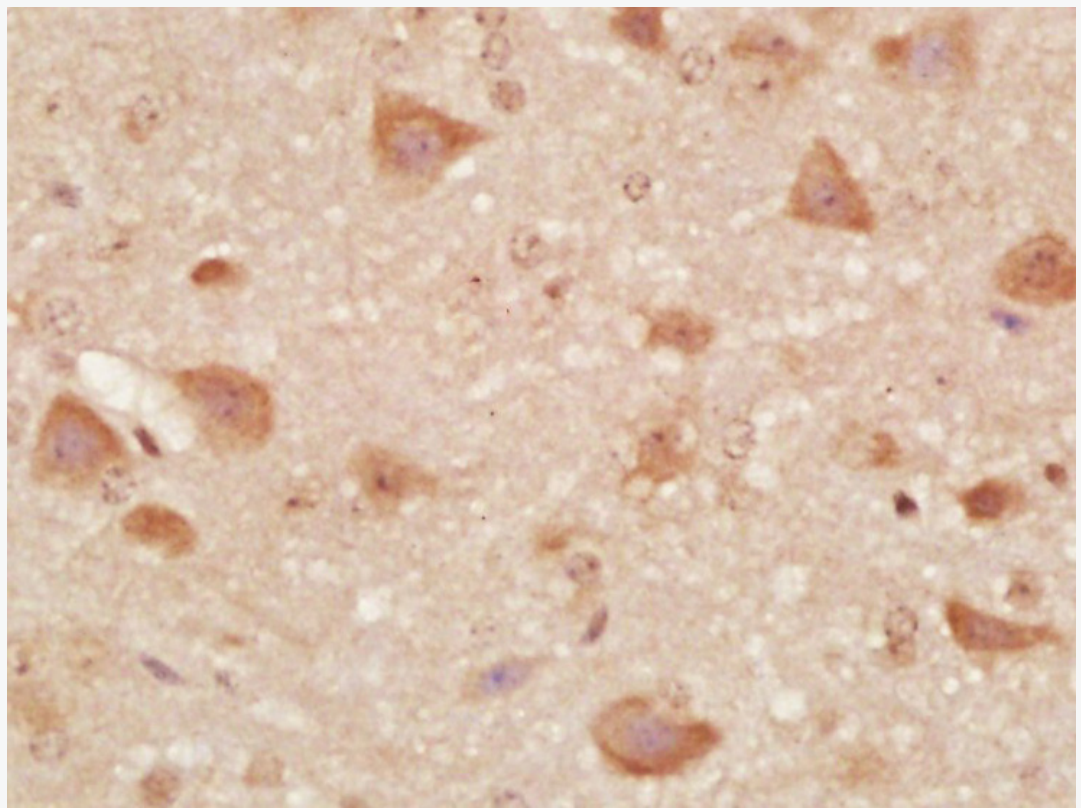
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 120 kD

Observed band size: 130-140 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); 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 (DAL1(EPB41L3)) Polyclonal Antibody, Unconjugated (SL6003R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (DAL1(EPB41L3)) Polyclonal Antibody, Unconjugated (SL6003R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.