

**Bi-Phospho-LLGL1/2(S655/659) /(S645/S649) Antibody**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP2198a****Specification**

---

**Bi-Phospho-LLGL1/2(S655/659) /(S645/S649) Antibody - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q15334</a> , <a href="#">Q6P1M3</a>
Other Accession	<a href="#">Q3TJ91</a> , <a href="#">Q8K4K5</a> , <a href="#">Q80Y17</a> , <a href="#">Q15334</a> , <a href="#">Q8MKF0</a> , <a href="#">Q6P1M3</a>
Reactivity	Human
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG

**Bi-Phospho-LLGL1/2(S655/659) /(S645/S649) Antibody - Additional Information****Other Names**

Lethal(2) giant larvae protein homolog 2, HGL, LLGL2

**Target/Specificity**

This LLGL1/2 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S645/S649 of human LLGL1/2.

**Dilution**

WB~~1:1000

**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**

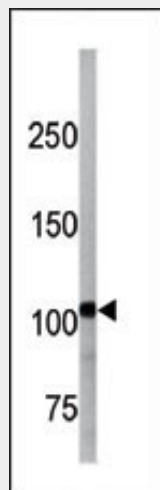
Bi-Phospho-LLGL1/2(S655/659) /(S645/S649) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Bi-Phospho-LLGL1/2(S655/659) /(S645/S649) Antibody - Protein Information****Bi-Phospho-LLGL1/2(S655/659) /(S645/S649) Antibody - 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](#)

#### **Bi-Phospho-LLGL1/2(S655/659) /(S645/S649) Antibody - Images**



The anti-Phospho-LLGL1/2 Pab (Cat. #AP2198a) is used for detection against A2058 cell line lysate. Phospho-LLGL1/2 (arrow) was detected using the purified Pab.

#### **Bi-Phospho-LLGL1/2(S655/659) /(S645/S649) Antibody - Background**

LLGL1 is a protein that is similar to a tumor suppressor in *Drosophila*. The protein is part of a cytoskeletal network and is associated with nonmuscle myosin II heavy chain and a kinase that specifically phosphorylates this protein at serine residues. The gene for LLGL1 is located within the Smith-Magenis syndrome region on chromosome 17. LLGL2 is a protein similar to lethal (2) giant larvae of *Drosophila*. In fly, the protein's ability to localize cell fate determinants is regulated by the atypical protein kinase C (aPKC). In human, this protein interacts with aPKC-containing complexes and is cortically localized in mitotic cells.

#### **Bi-Phospho-LLGL1/2(S655/659) /(S645/S649) Antibody - References**

Schimanski, C.C., et al., *Oncogene* 24(19):3100-3109 (2005). Grifoni, D., et al., *Oncogene* 23(53):8688-8694 (2004). Katoh, M., et al., *Int. J. Oncol.* 24(3):737-742 (2004). Bi, W., et al., *Genome Res.* 12(5):713-728 (2002). Ludford-Menting, M.J., et al., *J. Biol. Chem.* 277(6):4477-4484 (2002). Yasumi, M., et al., *J. Biol. Chem.* 280(8):6761-6765 (2005).

#### **Bi-Phospho-LLGL1/2(S655/659) /(S645/S649) Antibody - Citations**

- [A polybasic domain in aPKC mediates Par6-dependent control of membrane targeting and kinase activity.](#)
- [Adherens junction remodelling during mitotic rounding of pseudostratified epithelial cells.](#)
- [Myosin IIB deficiency in embryonic fibroblasts affects regulators and core members of the par polarity complex.](#)