

KD-Validated Anti-LLGL1 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI2281**Specification****KD-Validated Anti-LLGL1 Rabbit Monoclonal Antibody - Product Information**

| | |
|-------------------|--|
| Application | WB |
| Primary Accession | Q15334 |
| Reactivity | Human |
| Clonality | Monoclonal |
| Isotype | Rabbit IgG |
| Calculated MW | Predicted, 115 kDa; observed, 130 kDa |
| Gene Name | LLGL1 |
| Aliases | LLGL1; LLGL Scribble Cell Polarity Complex Component 1; Lgl1; Mgl1; DLG4; HUGL; LLGL; Lethal Giant Larvae Homolog 1, Scribble Cell Polarity Complex Component; Lethal(2) Giant Larvae Protein Homolog 1; Human Homolog To The D-Lgl Gene Protein; HUGL-1; HUGL1; LLGL1, Scribble Cell Polarity Complex Component; Lethal Giant Larvae Homolog 1 (Drosophila); Hugl-1 |
| Immunogen | Recombinant protein of human LLGL1 |

KD-Validated Anti-LLGL1 Rabbit Monoclonal Antibody - Additional Information

| | |
|---|------|
| Gene ID | 3996 |
| Other Names | |
| Lethal(2) giant larvae protein homolog 1, LLGL, DLG4, Hugl-1, Human homolog to the D-lgl gene protein, LLGL1, DLG4, HUGL, HUGL1 | |

KD-Validated Anti-LLGL1 Rabbit Monoclonal Antibody - Protein Information**Name** LLGL1**Synonyms** DLG4, HUGL, HUGL1**Function**

Cortical cytoskeleton protein found in a complex involved in maintaining cell polarity and epithelial integrity. Involved in the regulation of mitotic spindle orientation, proliferation, differentiation and tissue organization of neuroepithelial cells. Involved in axonogenesis through RAB10 activation thereby regulating vesicular membrane trafficking toward the axonal plasma membrane.

Cellular Location

Early endosome membrane. Golgi apparatus, trans-Golgi network membrane. Golgi apparatus membrane. Cell projection, axon. Cytoplasm, cytoskeleton Note=Localized to the lateral

membrane during the polarization and formation cell-cell contacts. Enriched in developing axons (By similarity).

Tissue Location

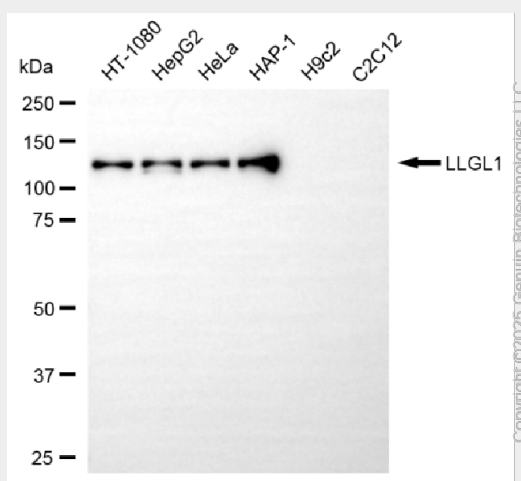
Expressed in brain, kidney, and muscle but is barely seen in heart and placenta. Down-regulated or lost in all cell lines and in most of the tumor samples analyzed. Loss was associated with advanced stage of the disease.

KD-Validated Anti-LLGL1 Rabbit Monoclonal Antibody - Protocols

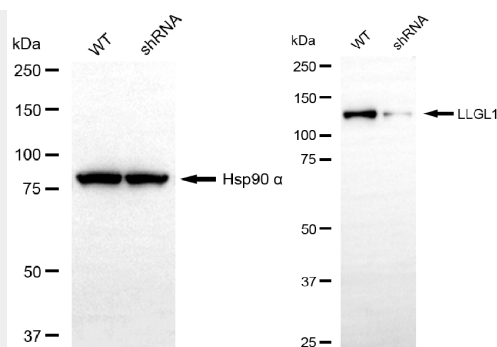
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-LLGL1 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-LLGL1 antibody (Cat#65649). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-LLGL1 antibody (Cat#65649, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).



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Western blotting analysis using anti-LLGL1 antibody (Cat#65649). LLGL1 expression in wild-type (WT) and LLGL1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-LLGL1 antibody (Cat#65649, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).