

**Anti-BEGAIN Antibody**  
Catalog # AP53914**Specification**

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**Anti-BEGAIN Antibody - Product Information**

Application	<b>WB, IF</b>
Primary Accession	<a href="#">O9BUH8</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>64803</b>

**Anti-BEGAIN Antibody - Additional Information****Gene ID** 57596**Other Names**

KIAA1446; Brain-enriched guanylate kinase-associated protein

**Target/Specificity**

Recognizes endogenous levels of BEGAIN protein.

**Dilution**

WB~~1/500 - 1/1000

IF~~1/50 - 1/200

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-BEGAIN Antibody - Protein Information****Name** BEGAIN**Synonyms** KIAA1446**Function**

May sustain the structure of the postsynaptic density (PSD).

**Cellular Location**

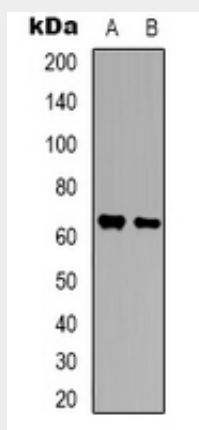
Cytoplasm. Membrane; Peripheral membrane protein

**Anti-BEGAIN Antibody - Protocols**

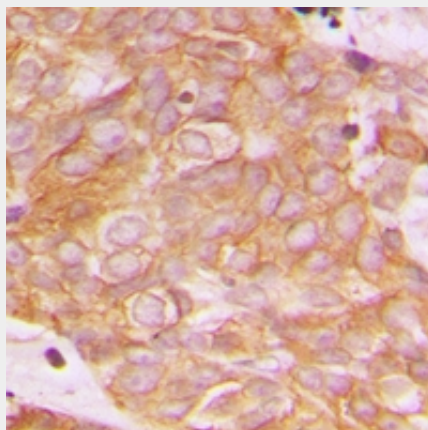
Provided below are standard protocols that you may find useful for product applications.

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

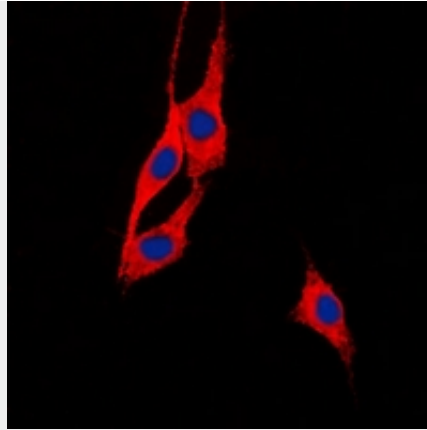
#### Anti-BEGAIN Antibody - Images



Western blot analysis of BEGAIN expression in HeLa (A), SHSY5Y (B) whole cell lysates.



Immunohistochemical analysis of BEGAIN staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of BEGAIN staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

#### **Anti-BEGAIN Antibody - Background**

Rabbit polyclonal antibody to BEGAIN