**Basic Information**

- **Catalog Number:** 10254-2-AP
- **Size:** 50 μg/150 μl
- **Source:** Rabbit
- **IgG**
- **Purification Method:** Antigen affinity purification
- **Immunogen Catalog Number:** A00395

**Recommended Dilutions:**
- **WB:** 1:500-1:2000
- **IHC:** 1:50-1:500
- **IF:** 1:10-1:100

**Applications**

- **Tested Applications:** IF, IHC, WB, ELISA
- **Cited Applications:** IHC, WB
- **Species Specificity:** human, mouse

**Positive Controls:**
- **WB:** HEK-293 cells; C2C12 cells
- **IHC:** human pancreas cancer tissue
- **IF:** HEK-293 cells

**Background Information**

GRB2 (growth factor receptor-bound protein 2) binds the epidermal growth factor receptor and contains one SH2 domain and two SH3 domains. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. N-SH3 domain of Grb2 was involved in the protein vesicular localization including amyloid-β protein precursor (AβPP). Involvement of GRB2 in Ras-signaling pathway has been reported, recent finding show that GRB2 may also play a complex role in T and B-cell antigen receptor signaling.

**Notable Publications**

<table>
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**Storage**

- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting:** Not necessary for -20°C storage

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For Research Use Only

GRB2 Polyclonal ANTIBODY

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For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1 (312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
C2C12 cells (shcontrol and shRNA of GRB2) were subjected to SDS PAGE followed by western blot with 10254-2-AP(GRB2 antibody) at dilution of 1:1000.

HEK-293 cells were subjected to SDS PAGE followed by western blot with 10254-2-AP(GRB2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.


Immunofluorescent analysis of HEK-293 cells using 10254-2-AP(GRB2 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).