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Datasheet for ABIN1698518

## anti-GRB7 antibody (AA 231-330) (Alexa Fluor 647)

### Overview

Quantity:	100 µL
Target:	GRB7
Binding Specificity:	AA 231-330
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRB7 antibody is conjugated to Alexa Fluor 647
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GRB7
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Horse, Chicken, Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	GRB7
Alternative Name:	GRB7 ( <a href="#">GRB7 Products</a> )
Background:	Synonyms: B47, Epidermal growth factor receptor GRB 7, Epidermal growth factor receptor

## Target Details

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GRB-7, GRB7 adapter protein, GRB7, GRB7\_HUMAN, Growth factor receptor bound protein 7, Growth factor receptor-bound protein 7, OTTHUMP00000164349, OTTHUMP00000164350, OTTHUMP00000164351, OTTHUMP00000164352.

Background: Many growth factors function by binding receptors with intrinsic tyrosine kinase activity (1,2). Signaling by such receptors involves a series of intermediates characterized by SH2 domains that bind tyrosine phosphorylated receptors by a direct interaction between the SH2 domain and the phosphotyrosine-containing receptor sequences (3,4). GRB7, a SH2 domain protein, has a single SH2 domain at its C-terminal, a central region with similarity to Ras GAP and a proline-rich N-terminus (5,6). GRB7 maps to the region on mouse chromosome 11 containing the Neu gene (6). This region of mouse chromosome 11 is syntenic to an area of human chromosome 17q that is frequently amplified in breast cancer (6,7). Moreover, GRB7 is amplified and over-expressed in breast cancer and is found in a complex with Neu gp185 (6).

Pathways: [EGFR Signaling Pathway](#), [Ribonucleoprotein Complex Subunit Organization](#)

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months