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Datasheet for ABIN1713833 **anti-GRB7 antibody (AA 231-330)**

Overview

Quantity:	100 µL
Target:	GRB7
Binding Specificity:	AA 231-330
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRB7 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

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 (GRB7 Products)

Target Details

Background:	<p>Synonyms: B47, Epidermal growth factor receptor GRB 7, Epidermal growth factor receptor GRB-7, GRB7 adapter protein, GRB7, GRB7_HUMAN, Growth factor receptor bound protein 7, Growth factor receptor-bound protein 7, OTTHUMP00000164349, OTTHUMP00000164350, OTTHUMP00000164351, OTTHUMP00000164352.</p> <p>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).</p>
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Pathways:	EGFR Signaling Pathway , Ribonucleoprotein Complex Subunit Organization
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Application Details

Application Notes:	ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % 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.

Handling

Storage:	4 °C,-20 °C
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Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
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Expiry Date:	12 months
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