

KD-Validated Anti-Growth Factor Receptor Bound Protein 7 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1035

Product Information

Application	WB, FC, ICC
Primary Accession	Q14451
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB6000
Calculated MW	59681
Gene Name	GRB7
Aliases	GRB7; Growth Factor Receptor Bound Protein 7; Growth Factor Receptor-Bound Protein 7; Epidermal Growth Factor Receptor GRB-7; GRB7 Adapter Protein; B47
Immunogen	A synthesized peptide derived from human GRB7

Additional Information

Gene ID	2886
Other Names	Growth factor receptor-bound protein 7, B47, Epidermal growth factor receptor GRB-7, GRB7 adapter protein, GRB7

Protein Information

Name	GRB7
Function	Adapter protein that interacts with the cytoplasmic domain of numerous receptor kinases and modulates down-stream signaling. Promotes activation of down-stream protein kinases, including STAT3, AKT1, MAPK1 and/or MAPK3. Promotes activation of HRAS. Plays a role in signal transduction in response to EGF. Plays a role in the regulation of cell proliferation and cell migration. Plays a role in the assembly and stability of RNA stress granules. Binds to the 5'UTR of target mRNA molecules and represses translation of target mRNA species, when not phosphorylated. Phosphorylation impairs RNA binding and promotes stress granule disassembly during recovery after cellular stress (By similarity).
Cellular Location	Cytoplasm. Cell junction, focal adhesion. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasmic granule {ECO:0000250 UniProtKB:Q03160}. Cell projection. Note=Predominantly cytoplasmic. Detected in stress granules, where mRNA is stored under stress conditions {ECO:0000250 UniProtKB:Q03160}

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