

Anti-GRB7 Rabbit Monoclonal Antibody

Catalog # ABO15510

Product Information

Application	WB, IHC
Primary Accession	Q14451
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-GRB7 Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	2886
Other Names	Growth factor receptor-bound protein 7, B47, Epidermal growth factor receptor GRB-7, GRB7 adapter protein, GRB7
Calculated MW	59681
Application Details	WB 1:1000-1:5000 IHC 1:100-1:500
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 20G86
Immunogen	A synthesized peptide derived from human GRB7
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

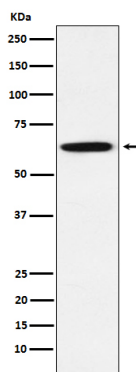
Name	GRB7
Function	Adapter protein that interacts with the cytoplasmic domain of numerous receptor kinases and modulates down-stream signaling. Promotes activation of down-stream protein kinases, including STAT3, AKT1, MAPK1 and/or MAPK3. Promotes activation of HRAS. Plays a role in signal transduction 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}

Images



Western blot analysis of GRB7 expression in A431 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.