Product Name: **GRB7 (4L2) Rabbit Monoclonal Antibody**
Catalog #: **AMRe11753**
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,IF-P
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.5mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1000-1:10000,IHC 1:200-1:500,IF-P 1:200-1:500
Molecular Weight	60kDa

Antigen Information

Gene Name	GRB7
Alternative Names	B47; Epidermal growth factor receptor GRB 7; GRB7 adapter protein; GRB7;
Gene ID	2886.0
SwissProt ID	Q14451
Immunogen	Recombinant protein of human GRB7

Background

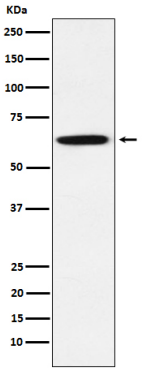
Interacts with the cytoplasmic domain of the epidermal growth factor receptor which is then inhibited. The interaction is

mediated by the SH2 domain. Also binds to ERBB2. 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).

Research Area

Signal Transduction

Image Data



Western blot analysis of GRB7 expression in A431 cell lysate.