

Mouse Grb2 Monoclonal Antibody | anti-Grb2 antibody

Grb2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71643	Mouse	Human, Rat, Mouse	Immunocytochemistry, Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

Grb2; Monoclonal Antibody; Grb2 Antibody; anti-Grb2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat, Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	M331
Specificity	This antibody detects a 24kDa* protein corresponding to the molecular mass of Grb2 on SDS-PAGE immunoblots of rat PC12.
Form/Format	Mouse monoclonal, protein A purified antibody is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-Grb2 antibody	ICC (Immunocytochemistry), IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Clone (M331) was generated from a full length recombinant rat Grb2 protein. This sequence has high homology to human and mouse Grb2.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemical labeling of Grb2 in rat PC12 cells differentiated with NGF. The cells were labeled with mouse monoclonal Grb2 (GM3311) antibody, then detected using appropriate secondary antibody conjugated to Cy3.



WB (Western Blot)

Western blot of rat PC12 cell lysate. The blot was probed with mouse monoclonal anti-Grb2 antibody at 1:250 (lane 1), 1:500 (lane 2), or 1:1000 (lane 3).

ADDITIONAL INFORMATION

Related Product Information for anti-Grb2 antibody

Crk and Grb2 family adaptor proteins are involved in a variety of cell signaling pathways related to human diseases. These adaptors have Src homology 2 (SH2) and Src homology 3 (SH3) domains, which are docking sites for several signaling proteins, including receptors, kinases, and GTPase regulators. In addition, other protein-protein interactions may also utilize Crk and Grb2 domain interactions to modulate cell signaling pathways. The DOCK family of proteins (DOCK3, DOCK4, and DOCK5) can interact with Crk and may be important Crk effector proteins. The cell cycle regulator p27Kip1 can interact with Grb2, and this implicates Grb2 activity in cell signaling pathways that alter cell cycle progression.

References	Feller, S.M. & Lewitzky, M. (2006) Curr. Pharm. Des. 12(5):529. Feller, S.M. (2001) Oncogene. 20(44):6348.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	77539774
NCBI GeneID	81504
NCBI Accession #	NP_110473.2
NCBI GenBank Nucleotide #	NM_030846.2
UniProt Accession #	P62994; P29354; Q14450; Q5BKA7; Q63057; Q63059
Molecular Weight	25,206 Da
NCBI Official Full Name	growth factor receptor-bound protein 2
NCBI Official Synonym Full Names	growth factor receptor bound protein 2
NCBI Official Symbol	Grb2
NCBI Protein Information	growth factor receptor-bound protein 2; protein Ash; SH2/SH3 adapter GRB2; adapter protein GRB2
UniProt Protein Name	Growth factor receptor-bound protein 2
UniProt Gene Name	Grb2
UniProt Synonym Gene Names	Ash
UniProt Entry Name	GRB2_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://stage.aaabiotech.com/monoclonal/grb2-antibody-clone-m331-immunocytochemistry-immunoprecipitation-western-blot-elisa/71643>