

# Localization of CBL:GRB2 to the mem-

## brane

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### Introduction

Reactome is open-source, open access, manually curated and peer-reviewed pathway database. Pathway annotations are authored by expert biologists, in collaboration with Reactome editorial staff and cross-referenced to many bioinformatics databases. A system of evidence tracking ensures that all assertions are backed up by the primary literature. Reactome is used by clinicians, geneticists, genomics researchers, and molecular biologists to interpret the results of high-throughput experimental studies, by bioinformaticians seeking to develop novel algorithms for mining knowledge from genomic studies, and by systems biologists building predictive models of normal and disease variant pathways.

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#### Literature references

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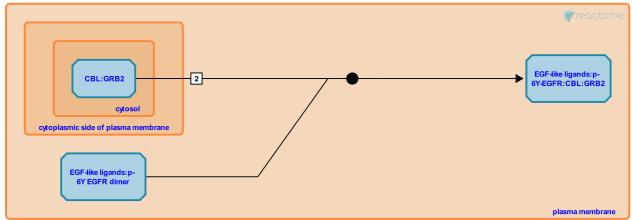
This document contains 1 reaction (see Table of Contents)

#### Localization of CBL:GRB2 to the membrane 7

Stable identifier: R-HSA-183067

#### Type: binding

Compartments: cytosol, plasma membrane, extracellular region



Upon EGF stimulation and consequent EGFR phosphorylation, GRB2 binds phosphorylated tyrosines

#### Literature references

Elson, A., Waterman, H., Katz, M., Yarden, Y., Rubin, C., Lavi, S. et al. (2002). A mutant EGF-receptor defective in ubiquitylation and endocytosis unveils a role for Grb2 in negative signaling. *EMBO J, 21*, 303-13.

#### **Editions**

2006-10-10	Authored	Castagnoli, L.
2008-02-12	Reviewed	Heldin, CH.
2011-08-25	Edited	Orlic-Milacic, M.