

Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

EYFP-Abr NE/AA

RRID:Addgene_36419

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/36419>

Proper Citation: RRID:Addgene_36419

Insert Name: active BCR-related

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:17116687](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4700; Vector Backbone:pEYFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: Made by direct mutagenesis of EYFP-Abr using a Stratagene Quick Change kit. In DbI, mutation of residues N673 and D674 completely abolished its activity as a GEF towards Rac. These residues are highly conserved among DH domains and are also conserved as residues N245/E246 in Abr. We therefore mutated these residues in Abr and introduced the mutant into the RAW 264.7 macrophage cell line. However, the construct's expression did not cause morphological changes in these cells. constructed by Young-Jin Cho.

Plasmid Name: EYFP-Abr NE/AA

Relevant Mutation: N245A, E246A

Record Creation Time: 20220422T222155+0000

Record Last Update: 20260815T081410+0000

Ratings and Alerts

No rating or validation information has been found for EYFP-Abr NE/AA.

No alerts have been found for EYFP-Abr NE/AA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.