

MACROD2/C20orf133 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57174

Specification

MACROD2/C20orf133 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	A1Z1Q3
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MACROD2/C20orf133
Epitope Specificity	1-100/448
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
SIMILARITY	Contains 1 Macro domain.
SUBUNIT	Interacts with ADP-ribosylated PARP1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

MACROD2 (MACRO Domain Containing 2) is a Protein Coding gene. Diseases associated with MACROD2 include autism spectrum disorder and pervasive developmental disorder. GO annotations related to this gene include hydrolase activity, acting on glycosyl bonds and deacetylase activity. An important paralog of this gene is MACROD1.

MACROD2/C20orf133 Polyclonal Antibody - Additional Information

Gene ID 140733

Other Names

ADP-ribose glycohydrolase MACROD2, MACRO domain-containing protein 2, O-acetyl-ADP-ribose deacetylase MACROD2, 3.5.1.-, [Protein ADP-ribosylaspartate] hydrolase MACROD2, 3.2.2.-, [Protein ADP-ribosylglutamate] hydrolase MACROD2, 3.2.2.-, MACROD2 {ECO:0000303|PubMed:23474712, ECO:0000312|HGNC:HGNC:16126}

Dilution

IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
ICC~~N/A
E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

MACROD2/C20orf133 Polyclonal Antibody - Protein Information

Name MACROD2 {ECO:0000303|PubMed:23474712, ECO:0000312|HGNC:HGNC:16126}

Function

Removes ADP-ribose from aspartate and glutamate residues in proteins bearing a single ADP-ribose moiety (PubMed:23474712, PubMed:23474714). Inactive towards proteins bearing poly-ADP-ribose (PubMed:23474712, PubMed:23474714). Deacetylates O-acetyl-ADP ribose, a signaling molecule generated by the deacetylation of acetylated lysine residues in histones and other proteins (PubMed:21257746).

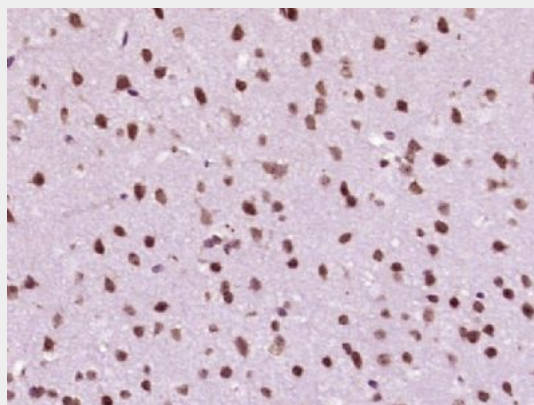
Cellular Location

Nucleus. Note=Recruited to DNA lesions, probably via mono-APD-ribosylated proteins.

MACROD2/C20orf133 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MACROD2/C20orf133 Polyclonal Antibody - Images

Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide

for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (C20orf133) Polyclonal Antibody, Unconjugated (bs-18603R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.