

MACROD1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57173

Specification

MACROD1 Polyclonal Antibody - Product Information

Application	IHC-P
Primary Accession	O9B069
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35505

MACROD1 Polyclonal Antibody - Additional Information

Gene ID 28992

Other Names

ADP-ribose glycohydrolase MACROD1, MACRO domain-containing protein 1, O-acetyl-ADP-ribose deacetylase MACROD1, 3.1.1.106, Protein LRP16, [Protein ADP-ribosylaspartate] hydrolase MACROD1, 3.2.2.-, [Protein ADP-ribosylglutamate] hydrolase MACROD1, 3.2.2.-, MACROD1 {ECO:0000303|PubMed:23474712, ECO:0000312|HGNC:HGNC:29598}

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glycerol

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.

MACROD1 Polyclonal Antibody - Protein Information

Name MACROD1 {ECO:0000303|PubMed:23474712, ECO:0000312|HGNC:HGNC:29598}

Function

Removes ADP-ribose from aspartate and glutamate residues in proteins bearing a single ADP-ribose moiety (PubMed: [23474712](http://www.uniprot.org/citations/23474712), PubMed: [23474714](http://www.uniprot.org/citations/23474714)). Inactive towards proteins bearing poly-ADP-ribose (PubMed: [23474712](http://www.uniprot.org/citations/23474712), PubMed: [23474714](http://www.uniprot.org/citations/23474714)). Deacetylates O-acetyl-ADP ribose, a signaling molecule generated by the deacetylation of acetylated lysine residues in histones and other proteins (PubMed: [21257746](http://www.uniprot.org/citations/21257746)). Plays a role in estrogen signaling (PubMed: [17893710](http://www.uniprot.org/citations/17893710), PubMed: [17914104](http://www.uniprot.org/citations/17914104), PubMed: [19403568](http://www.uniprot.org/citations/19403568)). Binds to androgen receptor (AR) and amplifies the

transactivation function of AR in response to androgen (PubMed:19022849). May play an important role in carcinogenesis and/or progression of hormone-dependent cancers by feed-forward mechanism that activates ESR1 transactivation (PubMed:17893710, PubMed:17914104). Could be an ESR1 coactivator, providing a positive feedback regulatory loop for ESR1 signal transduction (PubMed:17914104). Could be involved in invasive growth by down-regulating CDH1 in endometrial cancer cells (PubMed:17893710). Enhances ESR1-mediated transcription activity (PubMed:17914104).

Cellular Location

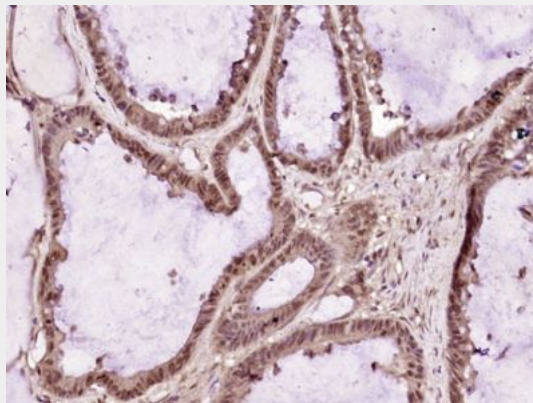
Nucleus. Note=Recruited to DNA lesions, probably via mono-APD-ribosylated proteins.

MACROD1 Polyclonal Antibody - Protocols

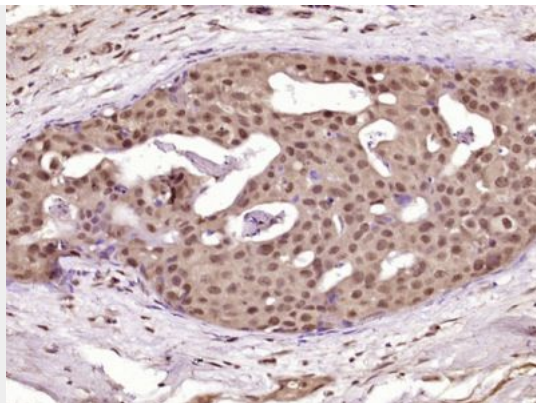
Provided below are standard protocols that you may find useful for product applications.

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

MACROD1 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (Human colon carcinoma); 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 (MACROD1) Polyclonal Antibody, Unconjugated (bs-18602R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human breast carcinoma); 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 (MACROD1) Polyclonal Antibody, Unconjugated (bs-18602R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.