

Rabbit Anti-MACROD1/AF350 Conjugated antibody

SL18602R-AF350

Product Name	Anti-MACROD1/AF350
Chinese Name	AF350 标记的 MACROD1 蛋白抗体
Alias	LRP16; MACD1_HUMAN; MACRO domain containing 1; MACRO domain-containing protein 1; Macrodl; O-acetyl-ADP-ribose deacetylase MACROD1; Protein LRP16.
Research Area	Tumour Cell biology Signal transduction Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human(predicted:Mouse,Rat,Dog,Pig,Cow,Horse,Sheep) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	36kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human MACROD1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	background: Removes ADP-ribose from glutamate residues in proteins bearing a single ADP-ribose moiety. Inactive towards proteins bearing poly-ADP-ribose. Deacetylates O-acetyl-ADP ribose, a signaling molecule generated by the deacetylation of acetylated lysine residues in histones and other proteins.

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

Function:

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Subunit:

Interacts with ESR1; Interacts in a manner that is estrogen independent but is enhanced by estrogen. Interacts (via macro domain) with AR.

Subcellular Location:

Nucleus.

DISEASE:

Note=A chromosomal aberration involving MACROD1 is found in acute leukemia. Translocation t(11;21)(q13;q22) that forms a RUNX1-MACROD1 fusion protein.

Similarity:

Contains 1 Macro domain.

Database links:

[Entrez Gene: 28992](#) Human

[Entrez Gene: 107227](#) Mouse

[Entrez Gene: 246233](#) Rat

[Omim: 610400](#) Human



[SwissProt: Q9BQ69](#) Human

[SwissProt: Q922B1](#) Mouse

[SwissProt: Q8K4G6](#) Rat

[Unigene: 602898](#) Human

[Unigene: 439977](#) Mouse

[Unigene: 98178](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.