

Product datasheet

Anti-MACROD1 antibody ab122688

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Overview

Product name	Anti-MACROD1 antibody
Description	Rabbit polyclonal to MACROD1
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P
Species reactivity	Reacts with: Human
Immunogen	antigen sequence: SFLKGLSDKQ REEHYFCKDF VRLKKIPTWK EMAKGVAVKV EEPYKDKQ LNEKISLLRS DITKLEV, corresponding to amino acids of Human MACROD1. Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Human colon tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

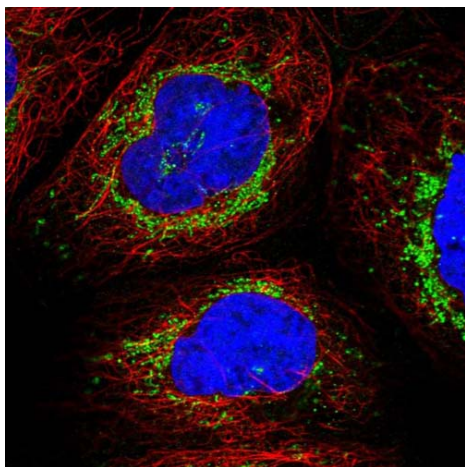
Our [Abpromise guarantee](#) covers the use of **ab122688** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 1 - 4 µg/ml. Recommend PFA Fixation and Triton X-100 treatment

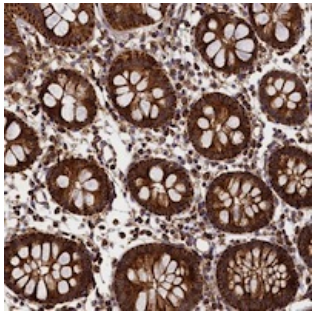
Application	Abreviews	Notes
IHC-P		1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
Target		
Function		Plays a role in estrogen signaling. Binds to androgen receptor (AR) and amplifies the transactivation function of AR in response 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.
Involvement in 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.
Sequence similarities		Contains 1 Macro domain.

Images



Immunofluorescent staining of Human cell line A-431 shows positivity in mitochondria. Recommended concentration of ab122688 1-4 µg/ml. Cells treated with PFA/Triton X-100.

Immunocytochemistry/ Immunofluorescence - Anti-MACROD1 antibody (ab122688)



ab122688, at 1/200 dilution, staining
MACROD1 in paraffin-embedded Human
colon tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-MACROD1 antibody
(ab122688)

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