

Product datasheet

Anti-MED12 antibody ab84430

[2 Images](#)

Overview

Product name	Anti-MED12 antibody
Description	Rabbit polyclonal to MED12
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Cow, Dog, Pig, Chimpanzee, Rhesus monkey, Orangutan 
Immunogen	Synthetic peptide, corresponding to a region within the C terminal amino acids 2150-2212 of Human MED12, NP_005111.1
Positive control	Human breast adenocarcinoma. Mouse squamous cell carcinoma.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab84430** 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
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IHC-P

Application notes	IHC-P: 1/100 - 1/500. Epitope exposure is recommended. Epitope exposure with citrate buffer will enhance staining.
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Likely to work with frozen sections.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Function

Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors. This subunit may specifically regulate transcription of targets of the Wnt signaling pathway and SHH signaling pathway.

Tissue specificity

Ubiquitous.

Involvement in disease

Defects in MED12 are the cause of Opitz-Kaveggia syndrome (OKS) [MIM:305450]; also known as FG syndrome type 1 (FGS1) or FG syndrome (FGS). OKS is an X-linked disorder characterized by mental retardation, relative macrocephaly, hypotonia and constipation. Defects in MED12 are the cause of Lujan-Fryns syndrome (LUJFRYS) [MIM:309520]; also known as X-linked mental retardation with marfanoid habitus. Clinically, Lujan-Fryns syndrome can be distinguished from Opitz-Kaveggia syndrome by tall stature, hypernasal voice, hyperextensible digits and high nasal root.

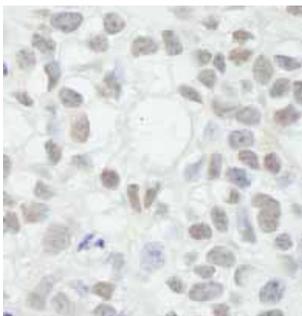
Sequence similarities

Belongs to the Mediator complex subunit 12 family.

Cellular localization

Nucleus.

Images



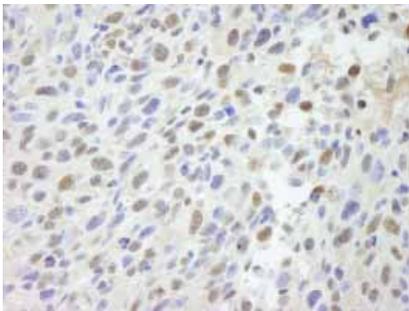
Detection of Human MED12 by Immunohistochemistry.

Sample: FFPE section of Human breast adenocarcinoma.

Antibody: ab84430 used at a dilution of 1/250.

Detection: DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MED12 antibody (ab84430)



Detection of Mouse MED12 by Immunohistochemistry.
Sample: FFPE section of Mouse squamous cell carcinoma.
Antibody: ab84430 used at a dilution of 1/250.
Detection: DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MED12 antibody (ab84430)

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