

## Product datasheet

# Anti-MED12 antibody ab84430

[2 Images](#)

### Overview

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

### Properties

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

IHC-P

<b>Application notes</b>	IHC-P: 1/100 - 1/500. Epitope exposure is recommended. Epitope exposure with citrate buffer will enhance staining.
--------------------------	--

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.

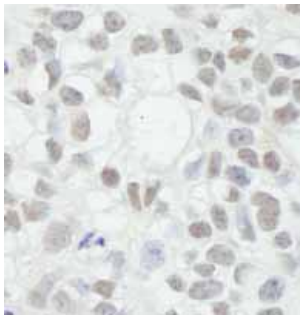
### Cellular localization

Nucleus.

---

## Images

---



Detection of Human MED12 by  
Immunohistochemistry.

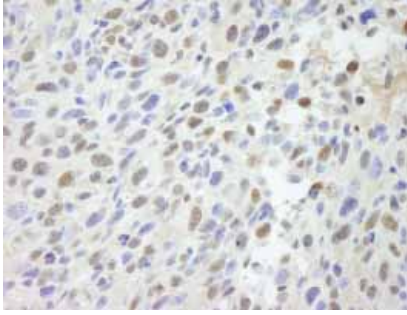
Sample: FFPE section of Human breast  
adenocarcinoma.

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

Detection: DAB staining.

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

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

### **Our Abpromise to you: Quality guaranteed and expert technical support**

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors