# MED12 Antibody / Mediator complex subunit 12 (RQ8268)

| Catalog No. | Formulation | Size |
|---|---|---|
| RQ8268 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

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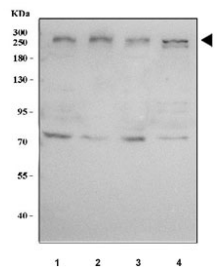
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | Q93074 |
| **Applications** | Western Blot : 0.5-1ug/ml<br>Direct ELISA : 0.1-0.5ug/ml |
| **Limitations** | This MED12 antibody is available for research use only. |




Western blot testing of human 1) 293T, 2) HeLa, 3) MCF7 and 4) HepG2 cell lysate with MED12 antibody. Predicted molecular weight ~245 kDa.

## Description

Mediator of RNA polymerase II transcription, subunit 12 homolog (S. cerevisiae), also known as MED12, is a human gene found on the X chromosome. The initiation of transcription is controlled in part by a large protein assembly known as the preinitiation complex. A component of this preinitiation complex is a 1.2 MDa protein aggregate called Mediator. This Mediator component binds with a CDK8 subcomplex which contains the protein encoded by this gene, mediator complex subunit 12 (MED12), along with MED13, CDK8 kinase, and cyclin C. The CDK8 subcomplex modulates Mediator-polymerase II interactions and thereby regulates transcription initiation and reinitation rates. The MED12 protein is

essential for activating CDK8 kinase. Defects in this gene cause X-linked Opitz-Kaveggia syndrome, also known as FG syndrome, and Lujan-Fryns syndrome.

## Application Notes

Optimal dilution of the MED12 antibody should be determined by the researcher.

## Immunogen

An E.coli-derived human recombinant protein (Q752-Q1974) was used as the immunogen for the MED12 antibody.

## Storage

After reconstitution, the MED12 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.