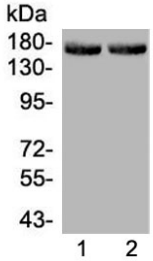
# MED14 Antibody (R32962)

| Catalog No. | Formulation | Size |
|---|---|---|
| R32962 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide |
| **UniProt** | O60244 |
| **Applications** | Western Blot : 0.5-1ug/ml<br>Direct ELISA (recombinant Human Protein) : 0.1-0.5ug/ml (BSA-free format available) |
| **Limitations** | This MED14 antibody is available for research use only. |




Western blot testing of 1) rat liver and 2) mouse liver lysate wtih MED14 antibody at 0.5ug/ml. Expected molecular weight: 150-170 kDa.

## Description

Mediator of RNA polymerase II transcription subunit 14 is an enzyme that in humans is encoded by the MED14 gene. The activation of gene transcription is a multistep process that is triggered by factors that recognize transcriptional enhancer sites in DNA. These factors work with co-activators to direct transcriptional initiation by the RNA polymerase II apparatus. The protein encoded by this gene is a subunit of the CRSP (cofactor required for SP1 activation) complex, which, along with TFIID, is required for efficient activation by SP1. This protein is also a component of other multisubunit complexes e.g. thyroid hormone receptor-(TR-) associated proteins which interact with TR and facilitate TR function on DNA templates in conjunction with initiation factors and cofactors. This protein contains a bipartite nuclear localization signal.

This gene is known to escape chromosome X-inactivation.

## Application Notes

Optimal dilution of the MED14 antibody should be determined by the researcher.

## Immunogen

A recombinant human protein corresponding to amino acids D181-D375 was used as the immunogen for the MED14 antibody.

## Storage

After reconstitution, the MED14 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.