SZABO SCANDIC

Part of Europa Biosite

# Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

## Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

## Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand


**SZABO-SCANDIC HandelsgmbH**

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

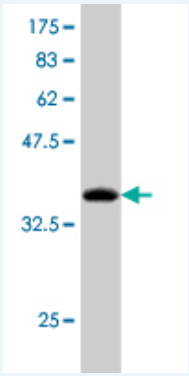
# AUH monoclonal antibody (M01), clone 2G12

**Catalog # :** H00000549-M01 **規格 :** [ 100 ug ]

List All

## Specification

| | |
|---|---|
| **Product Description:** | Mouse monoclonal antibody raised against a partial recombinant AUH. |
| **Immunogen:** | AUH (NP_001689, 44 a.a. ~ 135 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Sequence:** | RAGPAIWAQGWVPAAGGPAPKRGYSSEMKTEDELRVRHLEEENRGIVV LGINRAYGKNSLSKNLIKMLSKAVDALKSDKKVRTIIIRSEVPG |
| **Host:** | Mouse |
| **Reactivity:** | Human |
| **Isotype:** | IgG2a Kappa |
| **Quality Control Testing:** | Antibody Reactive Against Recombinant Protein. |




Western Blot detection against Immunogen (35.86 KDa) .

| | |
|---|---|
| **Storage Buffer:** | In 1x PBS, pH 7.4 |
| **Storage Instruction:** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| **MSDS:** | Download |
| **Datasheet:** | Download |

## Applications

**Western Blot (Recombinant protein)**

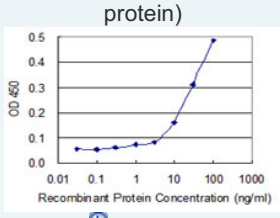
Protocol Download

**Sandwich ELISA (Recombinant protein)**

## Application Image

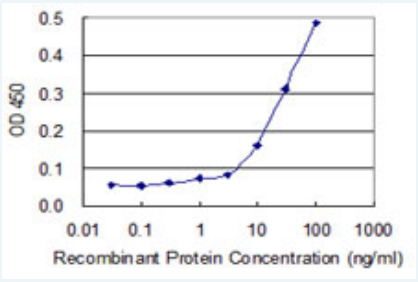
Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)




enlarge

ELISA




Detection limit for recombinant GST tagged AUH is 3 ng/ml as a capture antibody.

Protocol Download

**ELISA**

## Gene Information

| | |
|---|---|
| **Entrez GeneID:** | 549 |
| **GeneBank Accession#:** | NM_001698 |
| **Protein Accession#:** | NP_001689 |
| **Gene Name:** | AUH |
| **Gene Alias:** | - |
| **Gene Description:** | AU RNA binding protein/enoyl-Coenzyme A hydratase |
| **Omim ID:** | 250950, 600529 |
| **Gene Ontology:** | Hyperlink |
| **Gene Summary:** | AU-specific RNA-binding enoyl-CoA hydratase (AUH) protein binds to the AU-rich element (ARE), a common element found in the 3' UTR of rapidly decaying mRNA such as c-fos, c-myc and granulocyte/ macrophage colony stimulating factor. ARE elements are involved in directing RNA to rapid degradation and deadenylation. AUH is also homologous to enol-CoA hydratase, an enzyme involved in fatty acid degradation, and has been shown to have intrinsic hydratase enzymatic activity. AUH is thus a bifunctional chimera between RNA binding and metabolic enzyme activity. A possible subcellular localization in the mitochondria has been demonstrated for the mouse homolog of this protein which shares 92% identity with the human protein. It has been suggested that AUH may have a novel role as a mitochondrial located AU-binding protein. Human AUH is expressed as a single mRNA species of 1.8 kb, and translated as a 40-kDa precursor protein which is subsequently processed to a 32-kDa mature form. [provided by RefSeq |
| **Other Designations:** | 3-methylglutaconyl-CoA hydratase,AU RNA-binding protein/enoyl-Coenzyme A hydratase,OTTHUMP00000021631 |

## Gene Pathway

Metabolic pathways Valine, leucine and isoleucine degradation

## Related Disease

Cleft Lip Cleft Palate Tooth Abnormalities