



# 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

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## AVP monoclonal antibody (M07), clone 1H7

Catalog # : H00000551-M07

規格 : [ 100 ug ]

[List All](#)

### Specification

**Product Description:** Mouse monoclonal antibody raised against a partial recombinant AVP.

**Immunogen:** AVP (NP\_000481.2, 20 a.a. ~ 124 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

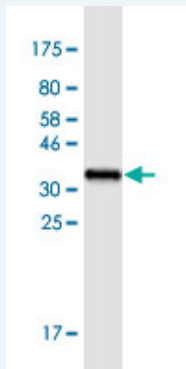
**Sequence:** CYFQNCPRGGKRAMSDLELRQCLPCGPGGKGRFCGPSICCADELGCF  
VGTAEALRCQEENYLPSPCQSGQKACGSGGRCAAFGVCCNDESCVTE  
PECREGFHRRRA

**Host:** Mouse

**Reactivity:** Human

**Isotype:** IgG1 Kappa

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (37.18 KDa) .

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Datasheet:** [Download](#)

### Applications

**Western Blot (Recombinant protein)**

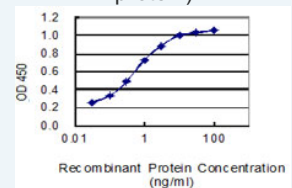
[Protocol Download](#)

**Sandwich ELISA (Recombinant protein)**

### Application Image

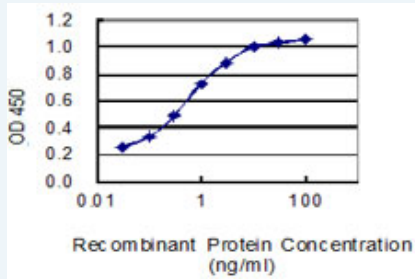
Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)



[enlarge](#)

ELISA



Detection limit for recombinant GST tagged AVP is 0.03 ng/ml as a capture antibody.

 [Protocol Download](#)

## ELISA

### Gene Information

Entrez GeneID: [551](#)

GeneBank [NM\\_000490.4](#)

Accession#:

Protein [NP\\_000481.2](#)

Accession#:

Gene Name: AVP

Gene Alias: ADH,ARVP,AVP-NP11,AVRP,VP

Gene Description: arginine vasopressin

Description:

Omim ID: [125700](#), [192340](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** This gene encodes a precursor protein consisting of arginine vasopressin and two associated proteins, neurophysin II and a glycopeptide, copeptin. Arginine vasopressin is a posterior pituitary hormone which is synthesized in the supraoptic nucleus and paraventricular nucleus of the hypothalamus. Along with its carrier protein, neurophysin II, it is packaged into neurosecretory vesicles and transported axonally to the nerve endings in the neurohypophysis where it is either stored or secreted into the bloodstream. The precursor is thought to be activated while it is being transported along the axon to the posterior pituitary. Arginine vasopressin acts as a growth factor by enhancing pH regulation through acid-base transport systems. It has a direct antidiuretic action on the kidney, and also causes vasoconstriction of the peripheral vessels. This hormone can contract smooth muscle during parturition and lactation. It is also involved in cognition, tolerance, adaptation and complex sexual and maternal behaviour, as well as in the regulation of water excretion and cardiovascular functions. Mutations in this gene cause autosomal dominant neurohypophyseal diabetes insipidus (ADNDI). [provided by RefSeq]

**Other Designations:** OTTHUMP00000030089,antidiuretic hormone,arginine vasopressin-neurophysin II,neurohypophyseal,vasopressin-neurophysin II-copeptin

### Gene Pathway

[Neuroactive ligand-receptor interaction](#) [Vascular smooth muscle contraction](#)

### Related Disease

[Anorexia Nervosa](#) [Bulimia](#) [Depressive Disorder, Major](#) [Diabetes Insipidus, Neurogenic](#) [Genetic Predisposition to Disease](#) [Mental Disorders](#) [Mood Disorders](#) [Panic Disorder](#) [Psychiatric Status Rating Scales](#)

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