

For Research Use Only

# AMHR2 Polyclonal antibody

Catalog Number: 25888-1-AP



## Basic Information

<b>Catalog Number:</b> 25888-1-AP	<b>GenBank Accession Number:</b> BC126316	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 550 µg/ml	<b>GeneID (NCBI):</b> 269	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q16671	
<b>Isotype:</b> IgG	<b>Full Name:</b> anti-Mullerian hormone receptor, type II	
<b>Immunogen Catalog Number:</b> AG22473	<b>Calculated MW:</b> 573 aa, 63 kDa	

## Applications

### Tested Applications:

IHC, ELISA

### Species Specificity:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

IHC: human testis tissue, human ovary tumor tissue, mouse brain tissue

## Background Information

Anti-Mullerian hormone (Amh) is the key factor in the regression of the Mullerian ducts that is secreted by the Sertoli cells of the testis. As a member of the transforming growth factor  $\beta$  family, Amh signals through a heterodimeric receptor complex consisting of two type I and two types II serine/threonine kinases receptors (J. Klatting, et. al, 2007). On ligand binding, Type II receptors phosphorylate and activate Type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. The Amh type II receptor (Amhr2) confers the specificity and is initially expressed in the coelomic epithelium next to the Mullerian ducts in both males and females (Zhan, y. et. al, 2006).

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

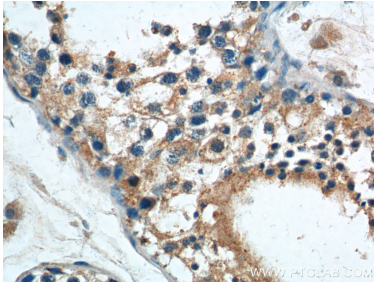
T: 4006900926

E: Proteintech-CN@ptglab.com

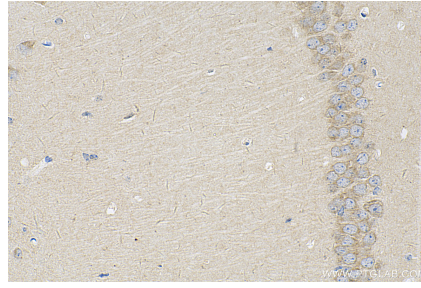
W: ptgcn.com

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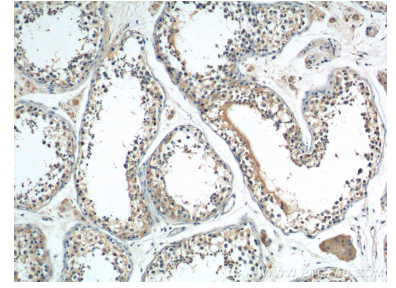
## Selected Validation Data



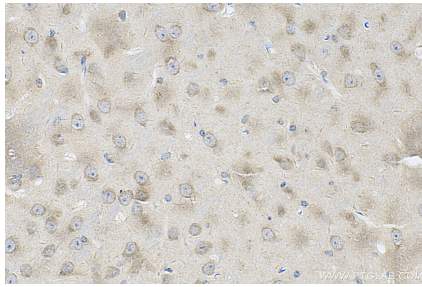
Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 25888-1-AP (AMHR2 Antibody) at dilution of 1:100 (under 40x lens).



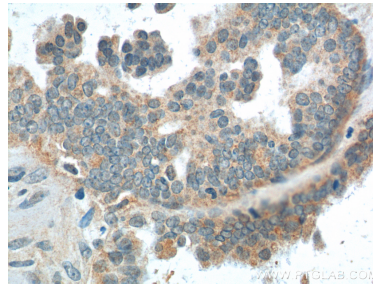
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 25888-1-AP (AMHR2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



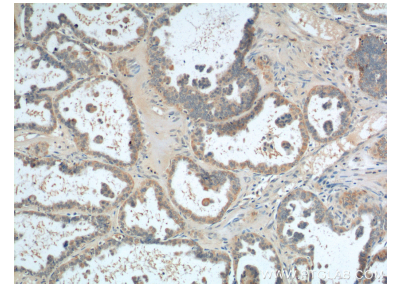
Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 25888-1-AP (AMHR2 Antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 25888-1-AP (AMHR2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 25888-1-AP (AMHR2 Antibody) at dilution of 1:100 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 25888-1-AP (AMHR2 Antibody) at dilution of 1:100 (under 10x lens).