10320 Camino Santa Fe, Suite G
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AMHR2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7111c

Specification

AMHR2 Antibody (C-term) - Product Information

Application	**FC, WB,E**
Primary Accession	Q16671
Other Accession	Q62893, Q8K592
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**374-402**

AMHR2 Antibody (C-term) - Additional Information

Gene ID 269

Other Names
Anti-Muellerian hormone type-2 receptor, Anti-Muellerian hormone type II receptor, AMH type II receptor, MIS type II receptor, MISRII, MRII, AMHR2, AMHR, MISR2

Target/Specificity
This AMHR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 374-402 amino acids from the C-terminal region of human AMHR2.

Dilution
FC~~1:10~50
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
AMHR2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

AMHR2 Antibody (C-term) - Protein Information

Name AMHR2

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Synonyms AMHR, MISR2

Function On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Receptor for anti-Muellerian hormone.

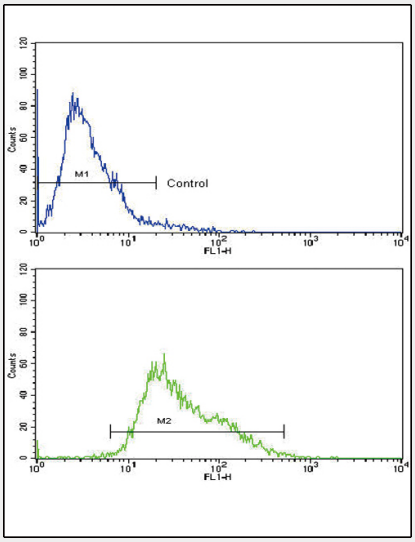
Cellular Location
Membrane; Single-pass type I membrane protein.

AMHR2 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

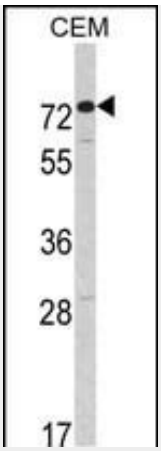
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

AMHR2 Antibody (C-term) - Images

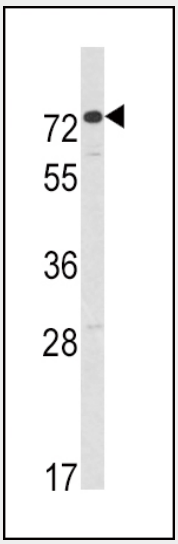


Flow cytometric analysis of CEM cells using AMHR2 Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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Western blot analysis of AMHR2 Antibody (C-term) (Cat. #AP7111c) in CEM cell line lysates (35ug/lane).AMHR2 (arrow) was detected using the purified Pab.



Western blot analysis of AMHR2 Antibody (C-term) (Cat. #AP7111c) in CEM cell line lysates (35ug/lane).AMHR2 (arrow) was detected using the purified Pab.

AMHR2 Antibody (C-term) - Background

The AMH receptor (AMHR or AMHR2) is a serine/threonine kinase with a single transmembrane domain belonging to the family of type II receptors for TGF-beta-related proteins. Anti-Mullerian hormone (AMH) and its receptor are involved in the regression of Mullerian ducts in male fetuses. Male sex differentiation is mediated by 2 discrete hormones produced by the fetal testis. Testosterone, produced by Leydig cells, virilizes the external genitalia and promotes prostatic growth; anti-Mullerian hormone (AMH) results in regression of Mullerian ducts which would otherwise differentiate into the uterus and fallopian tubes.

AMHR2 Antibody (C-term) - References

Picard, J.Y., et al., J. Soc. Biol. 196(3):217-221 (2002).
Teixeira, J., et al., Endocr. Rev. 22(5):657-674 (2001).
Imbeaud, S., et al., Nat. Genet. 11(4):382-388 (1995).
Visser, J.A., et al., Biochem. Biophys. Res. Commun. 215(3):1029-1036 (1995).
Sinisi, A.A., et al., J. Endocrinol. Invest. 26 (3 Suppl), 23-28 (2003).

AMHR2 Antibody (C-term) - Citations

- Increased expression of antimüllerian hormone and its receptor in endometriosis.

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