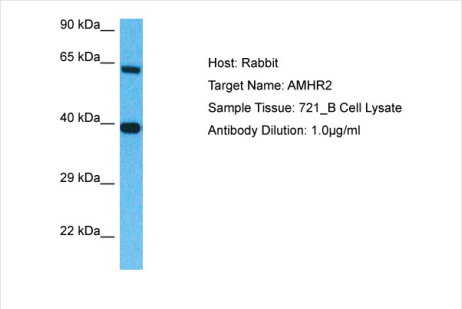
AMHR2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	AMHR2, Polyclonal Antibody
Full Product Name	AMHR2 Antibody - N-terminal region
Product Gene Name	anti-AMHR2 antibody
Product Synonym Gene Name	AMHR2; AMHR; MISR2;
Immunogen Sequence	Synthetic peptide located within the following region: VRGEPVPEPR PDSGRDWSVE LQELPELCFS QVIREGGHAV VWAGQLQGKL
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity Purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	AMHR2 peptide (MBS3244518) is used for blocking the activity of AMHR2 antibody (MBS3219652)
Molecular Weight	63kDa
OMIM	261550
3D Structure	ModBase 3D Structure for Q16671
Immunogen	The immunogen is a synthetic peptide directed towards the N-terminal region of Human AMHR2
Product Categories/Family for anti-AMHR2 antibody	Polyclonal; Signaling Intermediate; Developmental Biology; Disease Related
Applications Tested/Suitable for anti-AMHR2 antibody	Western Blot (WB)
Related Product Information for anti-AMHR2 antibody	This is a rabbit polyclonal antibody against AMHR2. It was validated on Western Blot Target Description: This gene encodes the receptor for the anti-Mullerian hormone (AMH) which, in addition to testosterone, results in male sex differentiation. AMH and testosterone are produced in the testes by different cells and have different effects. Testosterone promotes the development of male genitalia while the binding of AMH to the encoded receptor prevents the development of the mullerian ducts into uterus and Fallopian tubes. Mutations in this gene are associated with persistent Mullerian duct syndrome type II. Alternatively spliced transcript variants encoding different isoforms have been identified.
Other Notes	Small volumes of anti-AMHR2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for AMHR2 purchase	MBS3219652 is an antibody targeting AMHR2. Also known as AMHR2 Antibody - N-terminal region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-AMHR2 antibody
Host: RabbitTarget Name: AMHR2Sample Type: 721_B Whole Cell lysatesAntibody Dilution: 1.0ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AMHR2. It may not necessarily be applicable to this product.

NCBI GI #	10198656
NCBI GeneID	269
NCBI Accession #	NP_065434
UniProt Primary Accession #	Q16671
UniProt Related Accession #	Q16671
GenBank Nucleotide #	NM_020547.3
NCBI Official Full Name	anti-Muellerian hormone type-2 receptor isoform 1
NCBI Official Synonym Full Names	anti-Mullerian hormone receptor type 2
NCBI Official Symbol	AMHR2
NCBI Official Synonym Symbols	AMHR; MRII; MISR2; MISRII
UniProt Protein Name	Anti-Muellerian hormone type-2 receptor
UniProt Synonym Protein Names	Anti-Muellerian hormone type II receptor; AMH type II receptor; MIS type II receptor; MISRII; MRII
Protein Family	Anti-Muellerian hormone type-2 receptor
UniProt Gene Name	AMHR2
UniProt Synonym Gene Names	AMHR; MISR2; AMH type II receptor; MISRII; MRII
UniProt Entry Name	AMHR2_HUMAN
NCBI Protein Information	anti-Muellerian hormone type-2 receptor
NCBI Summary for AMHR2	This gene encodes the receptor for the anti-Mullerian hormone (AMH) which, in addition to testosterone, results in male sex differentiation. AMH and testosterone are produced in the testes by different cells and have different effects. Testosterone promotes the development of male genitalia while the binding of AMH to the encoded receptor prevents the development of the mullerian ducts into uterus and Fallopian tubes. Mutations in this gene are associated with persistent Mullerian duct syndrome type II. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Sep 2009]

UniProt Comments for AMHR2	MISR2: 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. Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. TGFB receptor subfamily. Protein type: EC 2.7.11.30; Protein kinase, TKL; Kinase, protein; Protein kinase, Ser/Thr (receptor); Membrane protein, integral; TKL group; STKR family; Type2 subfamily Chromosomal Location of Human Ortholog: 12q13 Molecular Function: hormone binding; protein binding; receptor activity Biological Process: sex differentiation; signal transduction Disease: Persistent Mullerian Duct Syndrome, Types I And Ii
Research Articles on AMHR2	**1.** Data show that anti-Mullerian hormone receptor type 2 (AMHR2) homozygous mutation was found in both cases.
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