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Anti-AMHR2 Picoband Antibody

Catalog # ABO12669

Product Information

Application	WB
Primary Accession	Q16671
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Anti-Muellerian hormone type-2 receptor(AMHR2) detection. Tested with WB in Human;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	269
Other Names	Anti-Muellerian hormone type-2 receptor, 2.7.11.30, Anti-Muellerian hormone type II receptor, AMH type II receptor, MIS type II receptor, MISRII, MRII, AMHR2, AMHR, MISR2
Calculated MW	62750
Application Details	Western blot, 0.1-0.5 □g/ml, Human, Rat
Subcellular Localization	Membrane; Single-pass type I membrane protein.
Source	Eukaryota
Protein Name	Anti-Muellerian hormone type-2 receptor
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human AMHR2 (384-419aa QRYMAPELLDKTLDLQDWGMALRRADIYSLALLLWE), different from the related mouse and rat sequences by three amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.

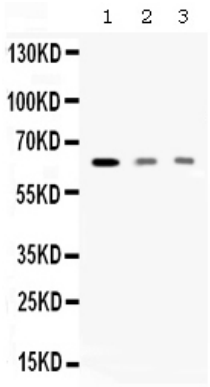
Protein Information

Name	AMHR2
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.

Background

AMHR2 is 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.

Images



Western blot analysis of AMHR2 expression in rat skeletal muscle extract (lane 1), HELA whole cell lysates (lane 2) and MCF-7 whole cell lysates (lane 3). AMHR2 at 63KD was detected using rabbit anti- AMHR2 Antigen Affinity purified polyclonal antibody (Catalog # ABO12669) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method .