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Rabbit Anti-AMHR2 antibody

SL12414R

Product Name:	AMHR2
Chinese Name:	缪勒激素2型受体抗体
Alias:	AMH type II receptor; AMHR2; AMHR2_HUMAN; Anti-Muellerian hormone type II receptor; Anti-Muellerian hormone type-2 receptor; MGC141312; MIS type II receptor; MISRII; MRII; Muellerian hormone type 2 receptor; Muellerian hormone type II receptor; Mullerian hormone receptor type II.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000Flow-Cyt=1μg/Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	61kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MISRII/AMHR2:21-120/573<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	MISR II is a 573 amino acid protein encoded by the human gene AMHR2. MISR II belongs to the protein kinase superfamily, TKL Ser/Thr protein kinase family, TGFB receptor subfamily and contains one protein kinase domain. Upon ligand binding, MISR II forms a receptor complex consisting of two type II and two type I transmembrane

serine/threonine kinases. These type II receptors phospho-rylate and activate type I receptors which autophosphorylate, then bind and activate Smad transcriptional regulators. MISR II also acts as a receptor for anti-Muellerian hormone. Defects in AMHR2 are the cause of persistent Muellerian duct syndrome type 2 (PMDS-2). PMDS-2 is a form of male pseudo-hermaphroditism characterized by a failure of Muellerian duct regression in otherwise normal males.

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.

Subcellular Location:
Membrane.

DISEASE:
Defects in AMHR2 are the cause of persistent Muellerian duct syndrome type 2 (PMDS2) [MIM:261550]. PMDS2 is a form of male pseudohermaphroditism characterized by a failure of Muellerian duct regression in otherwise normal males.

Similarity:
Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. TGFB receptor subfamily.
Contains 1 protein kinase domain.

SWISS:
Q16671

Gene ID:
269

Database links:

Entrez Gene: 269 Human

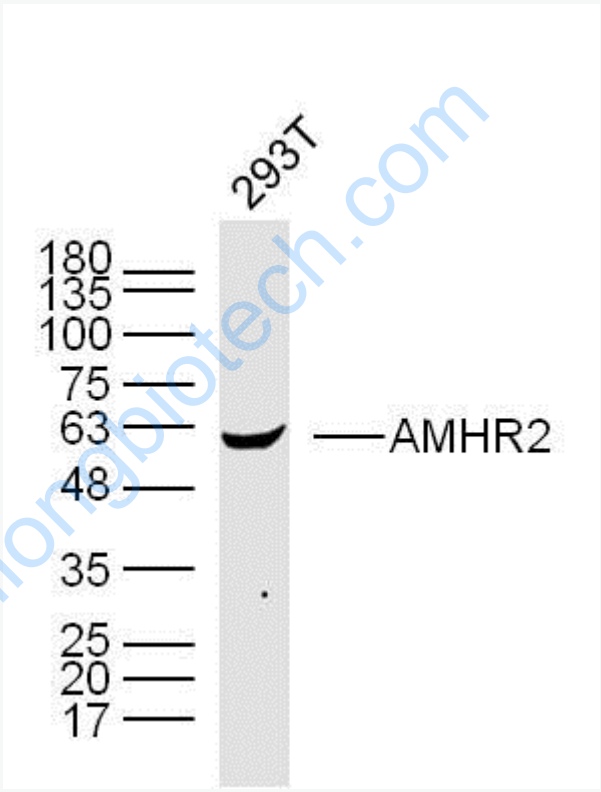
Entrez Gene: 29530 Rat

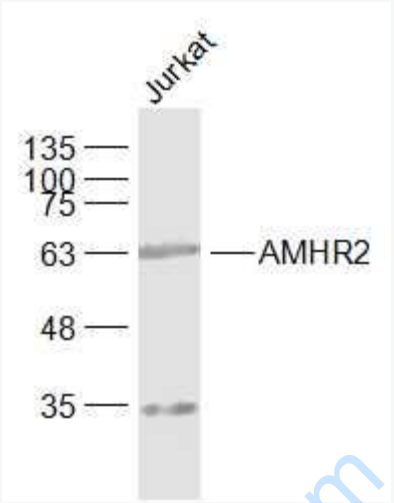
Omim: 600956 Human

SwissProt: Q16671 Human

SwissProt: Q62893 Rat

Unigene: 659889 Human

	Unigene: 10165 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: 293T Cell (Human) Lysate at 30 ug Primary: Anti- AMHR2 (SL12414R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 61kD Observed band size: 61 kD



Sample:

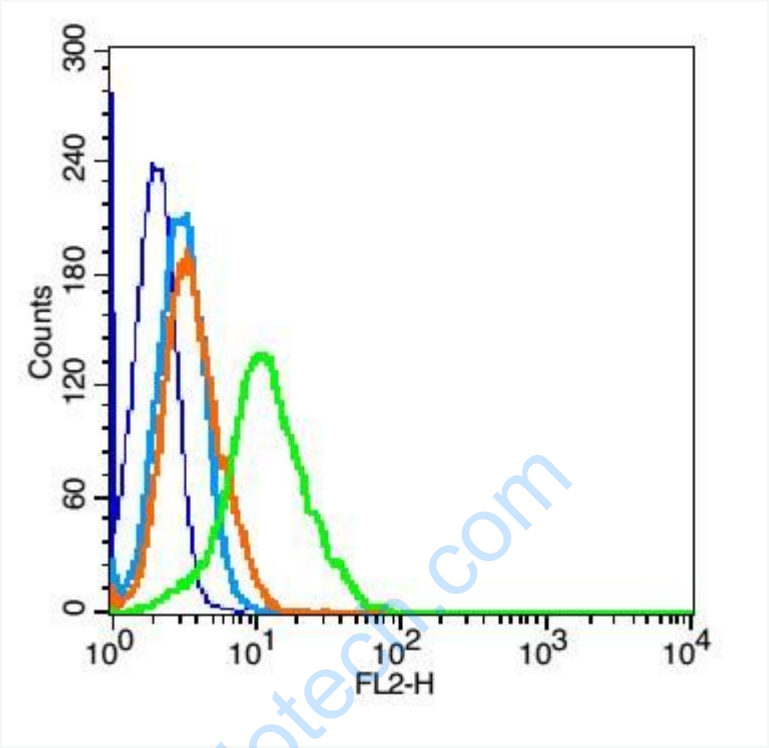
Jurkat(Human) Cell Lysate at 30 ug

Primary: Anti-AMHR2 (SL12414R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 61 kD

Observed band size: 63 kD



Blank control(blue): Jurkat cells(fixed with 2% paraformaldehyde (10 min) , then permeabilized with 90% ice-cold methanol for 30 min on ice).

Primary Antibody:Rabbit Anti-AMHR2 antibody antibody(SL12414R), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions);

Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.