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AMHR2 Rabbit pAb

Catalog # AP98476

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q16671
Other Accession	Q16671
Reactivity	Rat
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62750
Physical State	Liquid
Immunogen	Recombinant human MISRII protein
Epitope Specificity	18-149/573
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. TGFB receptor subfamily. Contains 1 protein kinase domain.
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	269
Other Names	AMHR; MISR2; MISRII; MRII; C14; AMHR2_HUMAN; AMHR2; Anti-Muellerian hormone type II receptor (AMH type II receptor); MIS type II receptor (MISRII | MRII); 2.7.11.30; AMHR2_RAT; anti-Mullerian hormone receptor type 2; anti-Mullerian hormone receptor type II; Muellerian inhibiting substance type II receptor

Dilution	IHC-P=1:100-500,IHC-F=1:400-800,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.