

Datasheet for 600-401-Y18**ANOSMIN Antibody****Overview**

Description:	Anti-Anosmin (RABBIT) Antibody - 600-401-Y18
Item No.:	600-401-Y18
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Mutations in Anosmin-1, an extracellular matrix-associated glycosylated protein, have been linked with Kallmann Syndrome (KS), an X-linked genetic disorder characterized by loss of smell caused by abnormal olfactory bulb development and delayed puberty caused by disrupted migration of the gonadotropin-releasing hormone neuron. Anosmin-1 has been shown to directly bind FGFR1 via its N-terminal cysteine-rich domain, whey-acidic protein-like domain, and its first FnIII repeat with the D2 and D3 ectodomains of FGFR1. It is thought that Anosmin-1 can modulate FGFR1 signaling and have opposing effects on the formation and activation of FGF2-FGFR1-heparin complex.
Synonyms:	Anosmin Antibody, HH1, HHA, KAL, KMS, ADMLX, WFDC19, KALIG-1, KALIG1, Anosmin-1, Adhesion molecule-like X-linked, Kallmann syndrome protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ANOS1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-Anosmin antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the internal region of human Anosmin.
Purity/Specificity:	Anti-Anosmin Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Anosmin from other sources has not been determined.
Relevant Links:	• UniProtKB - P23352 • GeneID - 3730 • NCBI - NP_000207

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-Anosmin Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 76 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	20 µg/mL
WB:	1 µg/mL

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

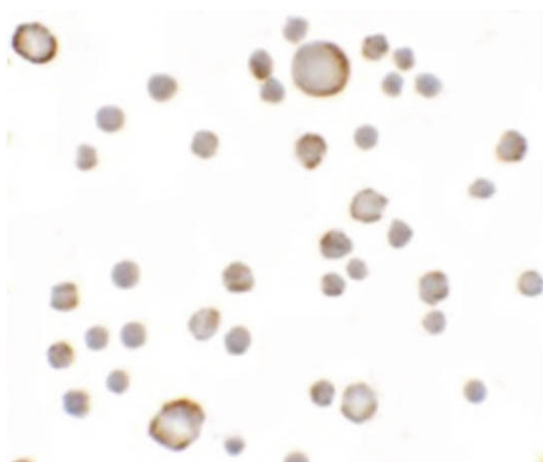
Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

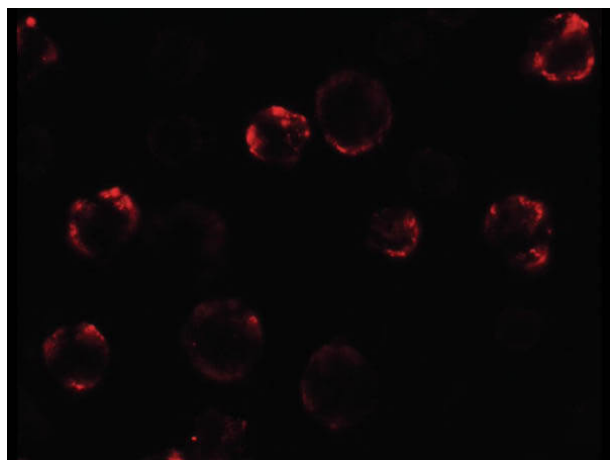
Expiration: Expiration date is one (1) year from date of receipt.

Images



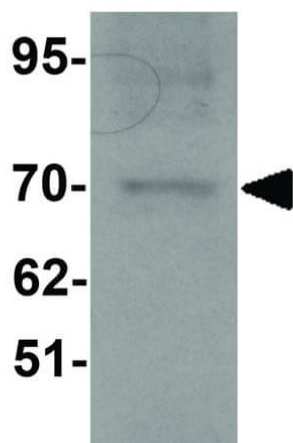
Immunocytochemistry

Immunocytochemistry of Rabbit Anti-Anosmin. Cells: MCF7 cells (W09-000-360). Primary Antibody: Anti-Anosmin antibody at 5 µg/mL in 1% BSA diluent for 1hr at RT. Secondary Antibody: anti-rabbit biotin-conjugated 1:200 in 1% BSA diluent for 1hr at RT. Wash. Add streptavidin-HRP for 30 min at RT. Detection: DAB solution. Counter stain: hematoxylin for 30 seconds.



Immunofluorescence Microscopy

Immunofluorescence of Rabbit Anti-Anosmin. Cells: MCF7 cells (W09-000-360). Primary Antibody: Anti-Anosmin antibody at 20 µg/mL in 1% BSA diluent for 1hr at RT. Fluorescent anti-rabbit Secondary Antibody 1:400 in 1% BSA diluent for 1hr at RT.

**Western Blot**

Western blot of Rabbit Anti-Anosmin. Lane 1: MCF7 cell lysate (W09-000-360). Primary Antibody: Anti-Anosmin antibody at 1 µg/mL overnight at 4°C. Secondary Antibody: anti-rabbit IgG-HRP conjugated at 1:10,000 1 hr at RT. Blocking Buffer: Blotto (B501-0500). Expect a band ~76 kDa.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.