Datasheet for ABIN7153070
anti-FOXN1 antibody (AA 1-160)

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Overview

Quantity:	100 µg
Target:	FOXN1
Binding Specificity:	AA 1-160
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXN1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Forkhead box protein N1 protein (1-160AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	FOXN1
Alternative Name:	FOXN1 (FOXN1 Products)
Background:	Background: Transcriptional regulator which regulates the development, differentiation, and function of thymic epithelial cells (TECs) both in the prenatal and postnatal thymus. Acts as a

Target Details

master regulator of the TECs lineage development and is required from the onset of differentiation in progenitor TECs in the developing fetus to the final differentiation steps through which TECs mature to acquire their full functionality. Regulates, either directly or indirectly the expression of a variety of genes that mediate diverse aspects of thymus development and function, including MHC Class II, DLL4, CCL25, CTSL, CD40 and PAX1. Regulates the differentiation of the immature TECs into functional cortical TECs (cTECs) and medullary TECs (mTECs). Essential for maintenance of mTECs population in the postnatal thymus. Involved in the morphogenesis and maintenance of the three-dimensional thymic microstructure which is necessary for a fully functional thymus. Plays an important role in the maintenance of hematopoiesis and particularly T lineage progenitors within the bone marrow niche with age. Essential for the vascularization of the thymus anlage. Promotes the terminal differentiation of epithelial cells in the epidermis and hair follicles, partly by negatively regulating the activity of protein kinase C (By similarity). Plays a crucial role in the early prenatal stages of T-cell ontogeny (PubMed:21507891).

Aliases: FKHL20 antibody, Forkhead box N1 antibody, Forkhead box protein N1 antibody, FOXN 1 antibody, FOXN1 antibody, FOXN1_HUMAN antibody, RONU antibody, Rowett nude antibody, Transcription factor winged-helix nude antibody, WHN antibody, Winged helix nude antibody, Winged-helix transcription factor nude antibody

UniProt:	O15353

Application Details

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200,
Restrictions:	For Research Use only

Handling

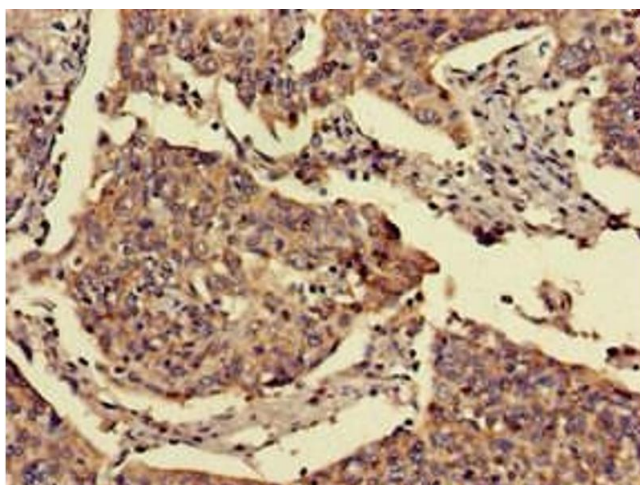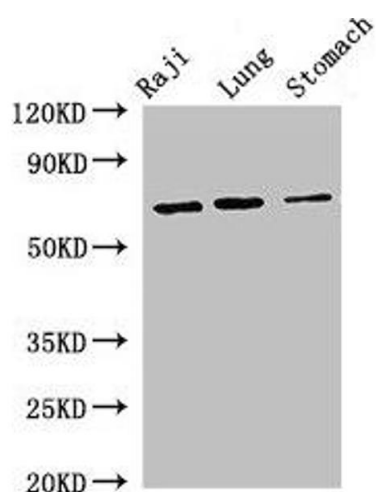| Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C

Handling

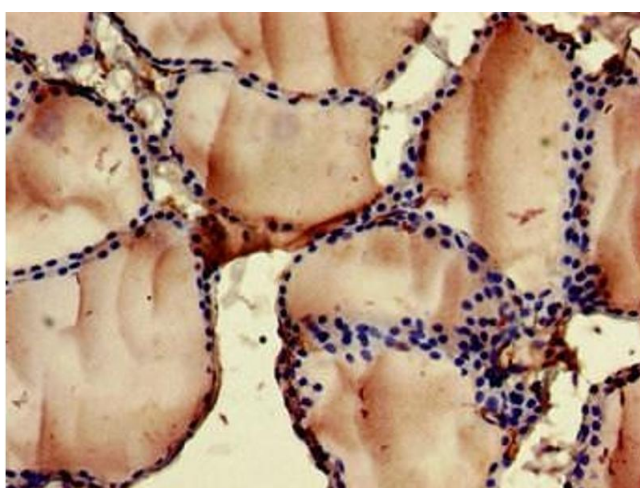|	
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images

Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human cervical cancer using ABIN7153070 at dilution of 1:100

Western Blotting

Image 2. Western Blot Positive WB detected in: Raji whole cell lysate, Mouse lung tissue, Mouse stomach tissue All lanes: FOXN1 antibody at 2.7 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 69 kDa Observed band size: 69 kDa

Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human thyroid tissue using ABIN7153070 at dilution of 1:100