

Rabbit anti-Human RAX2 Polyclonal Antibody | anti-RAX2 antibody

Anti-RAX2 Antibody Picoband

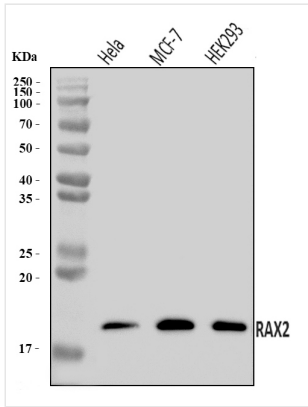
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126581	Rabbit	Human	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

RAX2; Polyclonal Antibody; Anti-RAX2 Antibody Picoband; anti-RAX2 antibody

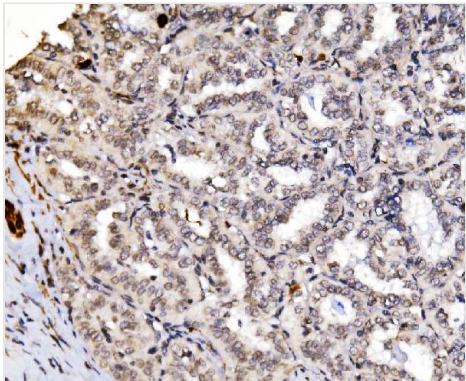
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-RAX2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence of human RAX2 (ASLRLLAKEHAQALDRAWPPA).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



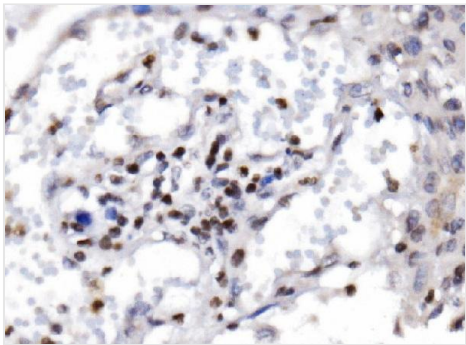
WB (Western Blot)

Figure 1. Western blot analysis of RAX2 using anti-RAX2 antibody (AAA126581).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human HeLa whole cell lysates,Lane 2: human MCF-7 whole cell lysates,Lane 3: human HEK293 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-RAX2 antigen affinity purified polyclonal antibody (#AAA126581) at 0.25 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for RAX2 at approximately 18 kDa. The expected band size for RAX2 is at 20 kDa.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of RAX2 using anti-RAX2 antibody (AAA126581).RAX2 was detected in a paraffin-embedded section of human hashimoto thyroiditis tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-RAX2 Antibody (AAA126581) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of RAX2 using anti-RAX2 antibody (AAA126581).RAX2 was detected in a paraffin-embedded section of human laryngeal squamous cell carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-RAX2 Antibody (AAA126581) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-RAX2 antibody	This gene encodes a homeodomain-containing protein that plays a role in eye development. Mutation of this gene causes age-related macular degeneration type 6, an eye disorder resulting in accumulations of protein and lipid beneath the retinal pigment epithelium and within the Bruch's membrane. Defects in this gene can also cause cone-rod dystrophy type 11, a disease characterized by the initial degeneration of cone photoreceptor cells and resulting in loss of color vision and visual acuity, followed by the degeneration of rod photoreceptor cells, which progresses to night blindness and the loss of peripheral vision. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-RAX2 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	14249388
NCBI GeneID	84839
NCBI Accession #	NP_116142
NCBI GenBank Nucleotide #	NM_032753
UniProt Accession #	Q96IS3
Molecular Weight	20,086 Da
NCBI Official Full Name	retina and anterior neural fold homeobox protein 2
NCBI Official Synonym Full Names	retina and anterior neural fold homeobox 2
NCBI Official Symbol	RAX2
NCBI Official Synonym Symbols	QRX; ARMD6; RAXL1; CORD11
NCBI Protein Information	retina and anterior neural fold homeobox protein 2; Q50-type retinal homeobox protein; retina and anterior neural fold homeobox like 1; retina and anterior neural fold homeobox-like protein 1
UniProt Protein Name	Retina and anterior neural fold homeobox protein 2
UniProt Gene Name	RAX2
UniProt Synonym Gene Names	QRX; RAXL1
UniProt Entry Name	RAX2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/rax2-antibody-immunohistochemistry-western-blot-elisa/126581>