

Anti-PAX8 Picoband Antibody

Catalog # ABO10128

Product Information

Application	WB
Primary Accession	Q06710
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for PAX8 detection. Tested with WB in Human;Mouse;Rat.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	7849
Other Names	Paired box protein Pax-8, PAX8
Calculated MW	48218
Application Details	Western blot, 0.1-0.5 µg/ml
Subcellular Localization	Nucleus.
Tissue Specificity	Expressed in the excretory system, thyroid gland and Wilms tumors.
Source	Eukaryota
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence of human PAX8 (RKHLRTDAFSQHHLEPLECPFERQHYPEAYASPSHTKGEQ).
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20 °C; for one year. After reconstitution, at 4 °C; for one month. It can also be aliquotted and stored frozen at -20 °C; for a longer time. Avoid repeated freezing and thawing.

Protein Information

Name	PAX8
-------------	------

Function	Transcription factor for the thyroid-specific expression of the genes exclusively expressed in the thyroid cell type, maintaining the functional differentiation of such cells.
Cellular Location	Nucleus.
Tissue Location	Expressed in the excretory system, thyroid gland and Wilms tumors

Background

Paired box gene 8, also known as PAX8, is a protein which in humans is encoded by the PAX8 gene. This gene encodes a member of the paired box (PAX) family of transcription factors. Members of this gene family typically encode proteins that contain a paired box domain, an octapeptide, and a paired-type homeodomain. This nuclear protein is involved in thyroid follicular cell development and expression of thyroid-specific genes. Mutations in this gene have been associated with thyroid dysgenesis, thyroid follicular carcinomas and atypical follicular thyroid adenomas. Alternatively spliced transcript variants encoding different isoforms have been described.

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