

Product datasheet

Anti-PAX8 antibody ab89508

4 Images

Overview

<b>Product name</b>	Anti-PAX8 antibody
<b>Description</b>	Mouse monoclonal to PAX8
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant full length Human protein (AAH01060) with a proprietary tag.
<b>Positive control</b>	Liver tissue lysate; LNCap or Hs 181.Tes cell lysate.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None Constituents: 1X PBS, pH 7.2
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2a
<b>Light chain type</b>	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab89508** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 48 kDa.
ELISA		Use at an assay dependent dilution.

## Target

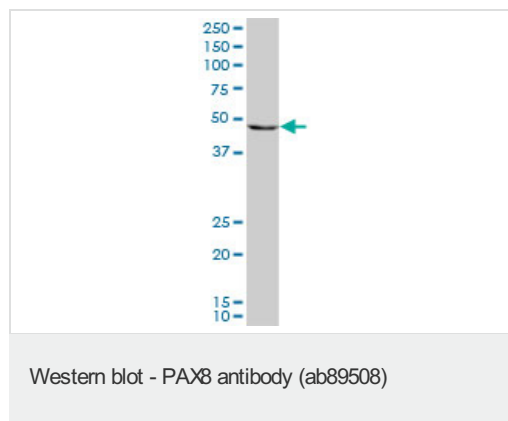
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<b>Function</b>	Transcription factor for the thyroid-specific expression of the genes exclusively expressed in the thyroid cell type, maintaining the functional differentiation of such cells.
<b>Tissue specificity</b>	Expressed in the excretory system, thyroid gland and Wilms tumors.
<b>Involvement in disease</b>	Defects in PAX8 are the cause of congenital hypothyroidism non-goitrous type 2 (CHNG2) [MIM:218700]. CHNG2 is a disease characterized by thyroid dysgenesis, the most frequent cause of congenital hypothyroidism, accounting for 85% of case. The thyroid gland can be completely absent (athyreosis), ectopically located and/or severely hypoplastic. Ectopic thyroid gland is the most frequent malformation, with thyroid tissue being found most often at the base of the tongue.
<b>Sequence similarities</b>	Contains 1 paired domain.
<b>Developmental stage</b>	In developing excretory system, during thyroid differentiation and in adult thyroid.
<b>Cellular localization</b>	Nucleus.

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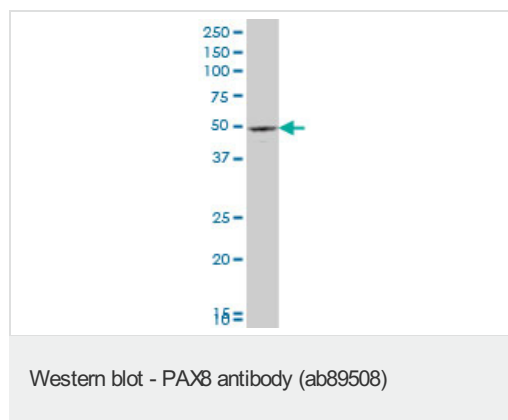
## Images

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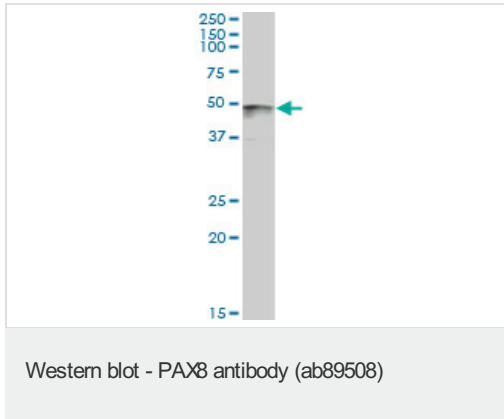
Anti-PAX8 antibody (ab89508) at 5  $\mu$ g/ml +  
Human liver lysate at 50  $\mu$ g

**Predicted band size:** 48 kDa



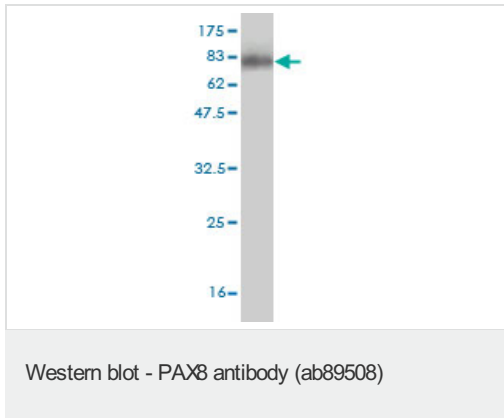
Anti-PAX8 antibody (ab89508) at 5  $\mu$ g/ml +  
LNCaP cell lysate at 50  $\mu$ g

**Predicted band size:** 48 kDa



Anti-PAX8 antibody (ab89508) at 5 µg/ml +  
Hs 181.Tes cell lysate at 50 µg

**Predicted band size:** 48 kDa



Anti-PAX8 antibody (ab89508) at 5 µg/ml +  
immunogen (full length recombinant protein  
with a tag of 26kDa) at 0.2 µg

**Predicted band size:** 48 kDa

**Observed band size:** 75 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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