

Product datasheet

Anti-PAX8 antibody ab89508

[4 Images](#)

Overview

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

Properties

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

Applications

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

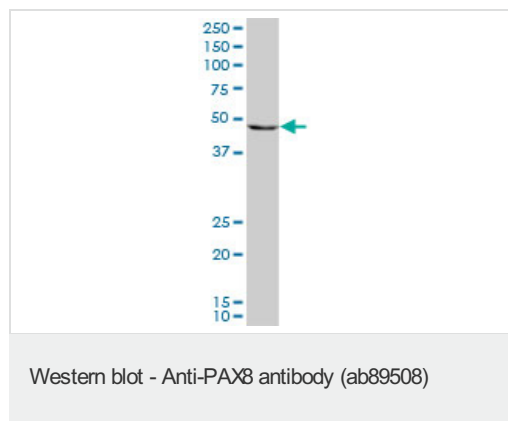
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

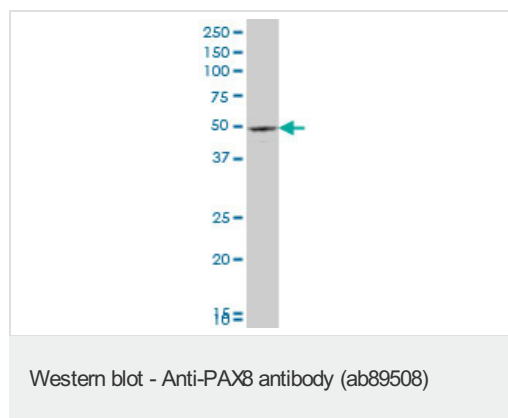
Function	Transcription factor for the thyroid-specific expression of the genes exclusively expressed in the thyroid cell type, maintaining the functional differentiation of such cells.
Tissue specificity	Expressed in the excretory system, thyroid gland and Wilms tumors.
Involvement in disease	Defects 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.
Sequence similarities	Contains 1 paired domain.
Developmental stage	In developing excretory system, during thyroid differentiation and in adult thyroid.
Cellular localization	Nucleus.

Images



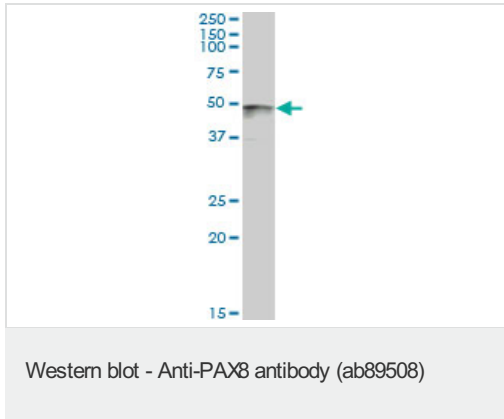
Anti-PAX8 antibody (ab89508) at 5 μ g/ml +
Human liver lysate at 50 μ g

Predicted band size: 48 kDa



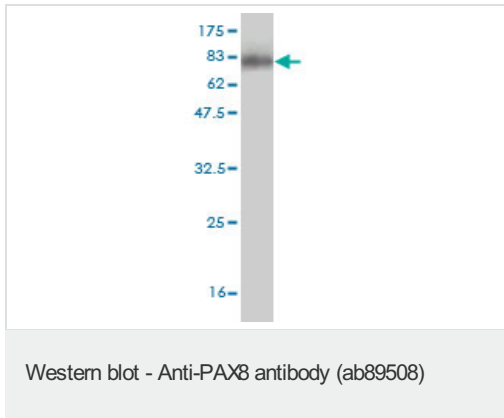
Anti-PAX8 antibody (ab89508) at 5 μ g/ml +
LNCaP cell lysate at 50 μ g

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"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors