

Product datasheet

Anti-TCF7 antibody ab30961

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Overview

Product name	Anti-TCF7 antibody
Description	Rabbit polyclonal to TCF7
Host species	Rabbit
Tested applications	Suitable for: ELISA, WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit, Horse, Guinea pig, Cow, Cat, Dog
Immunogen	Synthetic peptide within Human TCF7 aa 228-277 (internal sequence). The exact sequence is proprietary. Sequence: PAAIHPAMPPSGKQELQPFDRNLKTQAESKAEKEAK KPTIKKPLNAFM Database link: P36402 Run BLAST with Run BLAST with
Positive control	WB: fetal thymus lysate. IHC-P: human kidney tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 2% Sucrose, PBS
Purity	Immunogen affinity purified
Purification notes	This antibody was purified by peptide affinity chromatography method.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab30961** in the following tested applications.

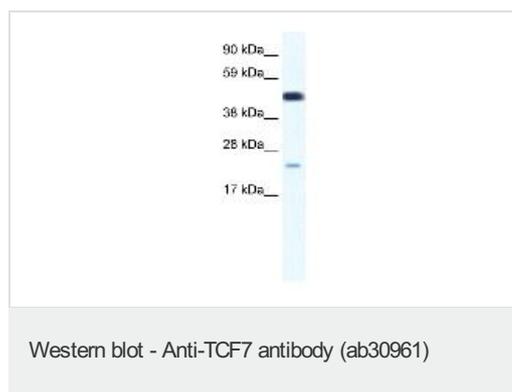
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		1/62500.
WB		Use a concentration of 0.125 µg/ml. Detects a band of approximately 49 kDa (predicted molecular weight: 42 kDa). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.
IHC-P	★★★★★	Use a concentration of 4 - 8 µg/ml.

Target

Function	Transcriptional activator involved in T-cell lymphocyte differentiation. Necessary for the survival of CD4(+) CD8(+) immature thymocytes. Isoforms lacking the N-terminal CTNNB1 binding domain cannot fulfill this role. Binds to the T-lymphocyte-specific enhancer element (5'-WWCAAAG-3') found in the promoter of the CD3E gene. May also act as feedback transcriptional repressor of CTNNB1 and TCF7L2 target genes. TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by TCF7 and CTNNB1.
Tissue specificity	Predominantly in T-cells. Also detected in proliferating intestinal epithelial cells and in the basal epithelial cells of mammary gland epithelium.
Sequence similarities	Belongs to the TCF/LEF family. Contains 1 HMG box DNA-binding domain.
Cellular localization	Nucleus.

Images



Anti-TCF7 antibody (ab30961) at 0.125 µg/ml + fetal thymus lysate at 10 µg/ml

Secondary

HRP conjugated anti rabbit IgG at a dilution of 1/ 50,000 - 1/100,000

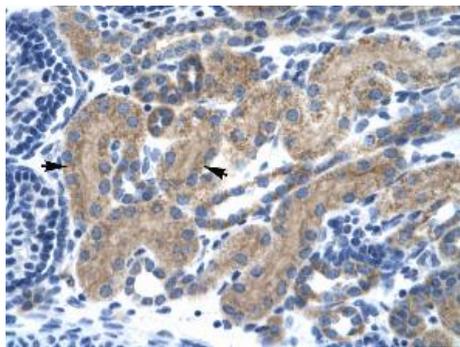
Developed using the ECL technique.

Predicted band size: 42 kDa

Observed band size: 49 kDa

[why is the actual band size different from the predicted?](#)

Additional bands at: 25 kDa. We are unsure as to the identity of these extra bands.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TCF7 antibody (ab30961)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human kidney tissue labelling Transcription factor 7 with ab30961 at 4-8 μ g/ml. Positively labelled cells (epithelial cells of renal tubule) are indicated by arrows. Magnification: 400X.

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