


Product datasheet

Anti-Tbx3 antibody ab66306

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Overview

Product name	Anti-Tbx3 antibody
Description	Rabbit polyclonal to Tbx3
Host species	Rabbit
Specificity	Ab66306 is specific for isoform 3 of Tbx3.
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit, Chicken, Guinea pig, Cow, Dog 
Immunogen	A region within synthetic peptide: CRDKGSPAVK AHLFAAERPR DSGRLDKASP DSRHSPATIS SSTRGLGAEE, corresponding to internal sequence amino acids 404-453 of Human Tbx3 Run BLAST with ExPASy Run BLAST with NCBI
Positive control	HepG2 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: 2% Sucrose, PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab66306** in the following tested applications.

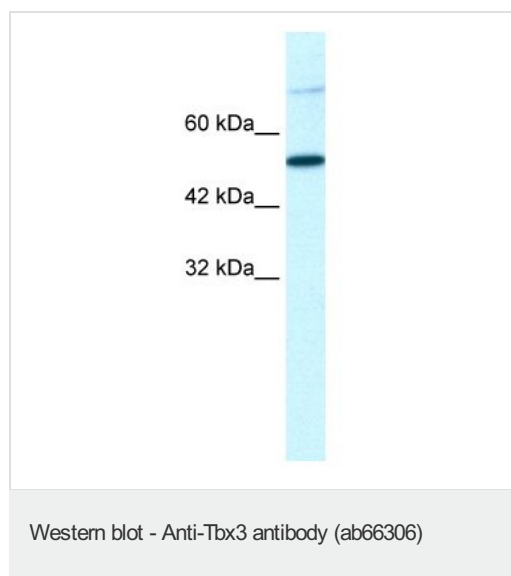
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration. PubMed: 21341990
WB		Use a concentration of 1.25 µg/ml. Predicted molecular weight: 66 kDa. Specific for isoform 3 of Tbx3. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

Target

Function	Transcriptional repressor involved in developmental processes. Probably plays a role in limb pattern formation.
Tissue specificity	Widely expressed.
Involvement in disease	Defects in TBX3 are the cause of ulnar-mammary syndrome (UMS) [MIM:181450]. UMS is characterized by ulnar ray defects, obesity, hypogonadism, delayed puberty, hypoplasia of nipples and apocrine glands.
Sequence similarities	Contains 1 T-box DNA-binding domain.
Cellular localization	Nucleus.

Images



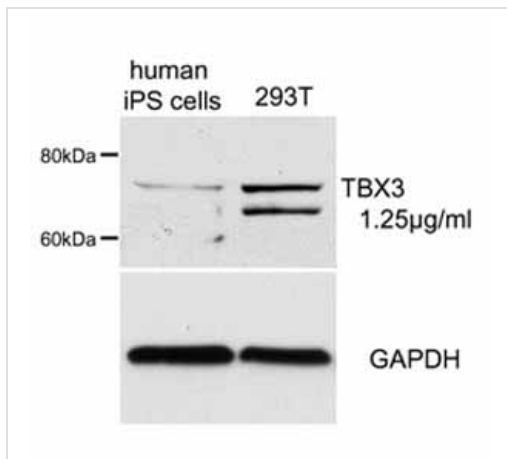
Anti-Tbx3 antibody (ab66306) at 1.25 µg/ml (in 5% skim milk / PBS buffer) + HepG2 cell lysate at 10 µg

Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

Predicted band size: 66 kDa

Gel concentration: 12%. Ab66306 is specific for isoform 3 of Tbx3.



WB Suggested Anti-MAK antibody ([ab80536](#))

Titration: 1 µg/ml Positive Control: Human pancreatic cancer cell line MiaPaca-2 and Panc-1

Sample Type: Human iPS cells and 293T cell lysate

Primary Dilution ([ab66306](#)): 1.25ug/mL

Western blot - Anti-Tbx3 antibody ([ab66306](#))

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