

# T-bet/TBX21 Recombinant Monoclonal Antibody [BLR110H]

Rabbit Recombinant Monoclonal

Purified Protein ID NP\_037483.1  
Catalog No. A700-110 GeneID 30009  
Lot No. A700-110-1



**APPLICATIONS** WB, IP, IHC, ICC  
**SPECIES REACTIVITY** Human  
**AMOUNT** 100 µl (50+ tests)  
**CONCENTRATION** 1000 µg/ml  
**STORAGE/SHELF LIFE** 2 – 8° C / 1 year from date of receipt  
**PHYSICAL STATE** Liquid  
**BUFFER** Borate Buffered Saline (BBS) pH 8.2 with 0.09% Sodium Azide, BSA Free  
**ISOTYPE** IgG  
**CLONE #** BLR110H  
**ORIGIN** USA  
**PRODUCTION PROCEDURES** Recombinant antibody was purified from cell culture supernatant.

Immunogen was a peptide representing a region between residue 485 and the C-terminus (residue 535) of human T-box transcription factor TBX21 using the numbering given in entry NP\_037483.1 (Gene ID 30009).

**APPLICATIONS** Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

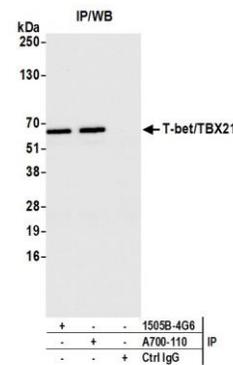
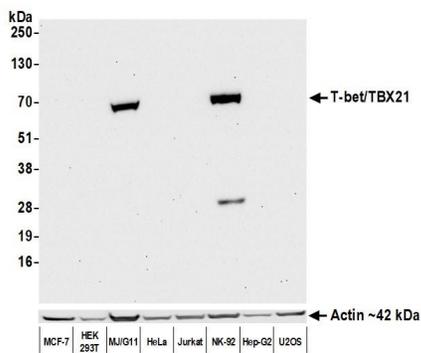
Western Blot 1:1,000  
Immunoprecipitation 6 µl/1 mg lysate  
Immunohistochemistry 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.  
Immunocytochemistry 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections.

**IHC HUMAN CONTROLS** Hodgkins Lymphoma, Ovarian Carcinoma, Seminoma, MJ Cells

**ADDITIONAL INFO** <https://www.bethyl.com/product/A700-110>

Use the link above to view SDS, a current list of citations, and other product specific information.

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Eric McIntush, PhD | Chief Scientific Officer Date: June 4, 2020

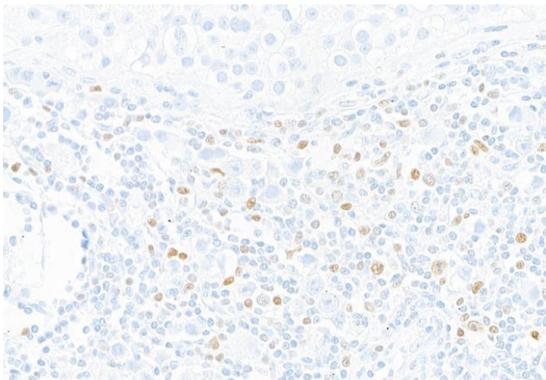


#### Detection of human T-bet/TBX21 by western blot.

**Samples:** Whole cell lysate (50 µg) from MCF-7, HEK293T, MJ/G11, HeLa, Jurkat, NK-92, Hep-G2, and U2OS cells prepared using NETN lysis buffer. **Antibody:** Rabbit anti-T-bet/TBX21 recombinant monoclonal antibody [BLR110H] (A700-110 lot 1) used at 1:1000. **Secondary:** HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal (A700-057).

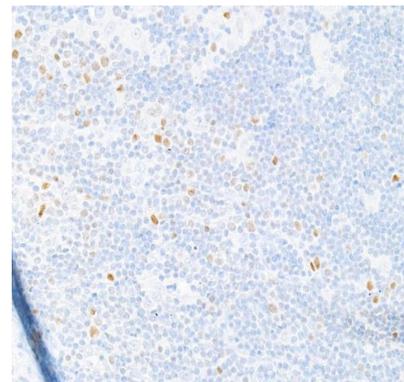
#### Detection of human T-bet/TBX21 by western blot of immunoprecipitates.

**Samples:** Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from MJ/G11 cells prepared using NETN lysis buffer. **Antibodies:** Rabbit anti-T-bet/TBX21 recombinant monoclonal antibody [BLR110H] (A700-110 lot 1) used for IP at 6 µl per reaction. T-bet/TBX21 was also immunoprecipitated by rabbit anti-T-bet/TBX21 antibody (BL-1505B-4G6). For blotting immunoprecipitated T-bet/TBX21, A700-110 was used at 1:1000. Chemiluminescence with an exposure time of 3 seconds.



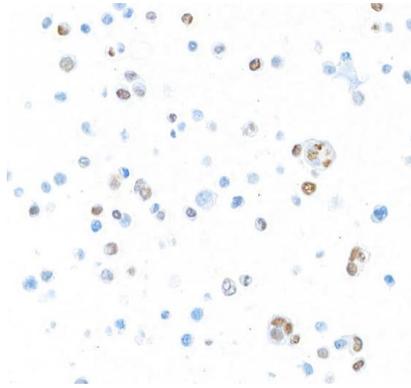
#### Detection of human T-bet/TBX21 in FFPE seminoma by IHC.

**Antibody:** Rabbit anti-T-bet/TBX21 recombinant monoclonal antibody [BLR110H] (A700-110 lot 1). **Secondary:** HRP-conjugated goat anti-rabbit IgG (A120-501P). **Substrate:** DAB.



#### Detection of human T-bet/TBX21 in FFPE Hodgkin's lymphoma by IHC.

**Antibody:** Rabbit anti-T-bet/TBX21 recombinant monoclonal antibody [BLR110H] (A700-110 lot 1). **Secondary:** HRP-conjugated goat anti-rabbit IgG (A120-501P). **Substrate:** DAB.

**Detection of human T-bet/TBX21 in FFPE MJ cells by ICC.**

*Antibody:* Rabbit anti-T-bet/TBX21 recombinant monoclonal antibody [BLR110H] (A700-110 lot 1).

*Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P). *Substrate:* DAB.