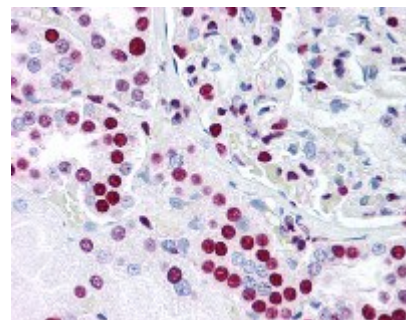


Purified anti-PTBP1

Catalog # / Size: 630101 / 25 µg
Clone: 3H7
Isotype: Mouse IgG1, κ
Immunogen: Recombinant human PTBP1 (full length)
Reactivity: Human
Preparation: The antibody was purified by affinity chromatography.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5 mg/ml
Storage: The antibody solution should be stored undiluted at 4°C.



Formalin-fixed paraffin-embedded human kidney tissue was stained with 3H7 at 15 µg/ml and developed with an alkaline phosphatase chromogen substrate (red color). Tissue was counterstained with H&E (blue/pink). Magnification, 40X.

Applications:

Applications: WB - Quality tested
IHC - Validated

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5ml antibody dilution buffer for each mini-gel. For IHC, use a 15 µg/ml dilution of antibody for staining. Antigen retrieval for IHC of formalin-fixed paraffin-embedded tissue using 0.01 M sodium citrate buffer is recommended. It is recommended that the reagent be titrated for optimal performance for each application.

Application References: 1. Gabai VL, *et al.* 2012. *Moll Cell Biol.* 32:929. PubMed.

Description: The 3H7 monoclonal antibody recognizes human PTBP1 also known as Polypyrimidine tract binding protein 1, Heterogeneous nuclear ribonucleoprotein I, and 57 kD RNA-binding protein. PTBP1 is a ubiquitously expressed nuclear protein with a predicted molecular weight approximately 59.6 kD. The polypyrimidine tract binding protein (PTB) is an important regulator of alternative splicing that also affects mRNA localization, stabilization, polyadenylation, and translation. PTBP1 has been shown to interact with FUS, Caspase3, PKCa, Raver1, and HnRNP-L protein. The PTB gene contains 15 exons and spans 13.5 kb. The 3H7 antibody has been shown to be useful for Western blotting.

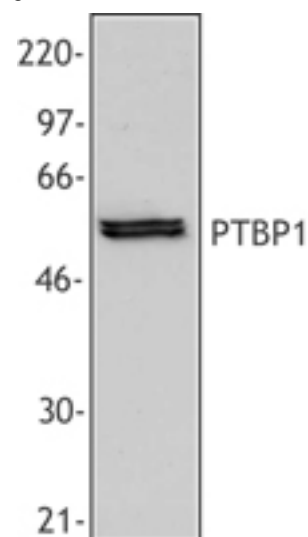
Antigen References: 1. GilA, *et al.* 1991. *Genes Dev.* 5 (7):1224.
2. Ghetti A, *et al.* 1992. *Acids Res.* 20:3671.
3. Romanelli MG, *et al.* 2000. *Gene* 255:267.

Related Products:

Product
FITC anti-human CD83
Purified Mouse IgG1, κ Isotype Ctrl

Clone
HB15e
MOPC-21

Application
FC
FC, ICFC,
ICC, IF, IHC,
IP, WB



Extracts from human PBMC were resolved by electrophoresis, transferred to nitrocellulose, and probed with monoclonal antibody against PTBP1 (clone 3H7). Proteins were visualized using a goat anti-mouse secondary conjugated to HRP and a chemiluminescence detection system.



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